

Service Bulletin No: 30-013

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Modification No: EC-15-0101

ATA Chapter: 30

**ICE AND RAIN PROTECTION
AIRFOIL DE-ICE SYSTEM - INTRODUCTION OF A WIRING MODIFICATION TO SUPPORT
REPLACEMENT OF A NEW AIRFOIL DE-ICE SYSTEM DWELL TIMER WITH INHIBIT FUNCTION****1. Planning Information****A. Effectivity**

PC-12/47E Series aircraft MSN 1001 thru 1751.

This modification will be accomplished during production on PC-12/47E aircraft MSN 1752 and subsequent.

B. Concurrent Requirements

Primus APEX Operational Software to Build 11 or higher. Refer to Service Bulletin 45-015 for retrofit.

C. Reason**(1) Issue**

The de-ice system timer (P/N 959.89.01.014) is no longer procurable.

(2) Solution

Use this Service Bulletin to replace the de-ice system timer with a de-ice system dwell timer with an inhibit function (P/N 959.89.01.044). This dwell timer requires modification of the de-ice system wiring. The dwell timer also requires the APEX Operational Software upgrade to Build 11 or higher.

Use Service Bulletin 30-015 to replace the de-ice system timer with an equivalent de-ice system timer (P/N 959.89.01.043). The equivalent timer requires modification of the de-ice system wiring but does not require an APEX Operational Software upgrade.

D. Description

This Service Bulletin gives the data and instructions necessary to:

- Remove the existing de-ice system timer
- Modify the de-ice system wiring
- Install a de-ice system dwell timer with an inhibit function (P/N 959.89.01.044).

The de-ice system dwell timer lets the pilot stop the airfoil de-ice system in case of accidental operation outside of the operating limits of the de-ice boots.

Revision 1 to this Service Bulletin updates the modification kit and the wiring modification procedure. No rework is required for operators who have already embodied this Service Bulletin.

E. Compliance

Optional.

F. Approval

The technical content of this document is approved under the authority of DOA No. EASA. 21J. 357.

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H. Manpower

Task	Standard Interior SB only	Executive Interior SB only	During Annual Inspection
Preparation	1.00	1.00	1.00
Modification	11.50	15.50	7.50
Close up	1.50	1.50	1.50
TOTAL MAN-HOURS	14.00	18.00	10.00

I. Weight and Balance

None.

J. Electrical Load Data

No change.

K. Software

Honeywell Primus APEX Operational Software Build 11 or higher.

L. References

AMM:

12-B-20-31-00-00A-070A-A 12-B-24-00-00-00A-901A-A 12-B-25-21-01-00A-920A-A
12-B-25-21-04-00A-920A-A 12-B-25-22-01-00A-920A-A 12-B-25-22-04-00A-920A-A
12-B-30-10-00-00A-903B-A 12-B-30-10-03-00A-920A-A

M. Publications Affected

Airplane Flight Manual (AFM)

Aircraft Maintenance Manual (AMM)

Illustrated Parts Data (IPD)

Wiring Diagram Manual (WDM).

N. Interchangeability of Parts

Not applicable.

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

Operators that require additional information and/or Service Bulletin Material should contact their authorized Pilatus Service Center, or Pilatus Customer Support on www.pilatus-aircraft.com → contact us

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

B. Warranty

Not applicable.

C. Material Required for Each Aircraft