

Service Bulletin No: 31-015

Ref No: 282

Modification No: EC-11-0564

ATA Chapter: 31

**INDICATING / RECORDING SYSTEMS - INDEPENDENT INSTRUMENTS
WIRING CHANGE TO CLOCK POWER SUPPLY****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 1001- 1299 and 1301 - 1340 with Davtron Clock P/N 999.61.11.214 installed and pre Service Bulletin 31-016.

NOTE: MSN 1300 and 1341 up, will have this modification incorporated at production.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

The Davtron M877 digital clock is draining the No. 1 battery if the aircraft is non-operational for more than 7 days.

(2) Cause

The Davtron Clock draws a higher current than the unit it replaced.

(3) Solution

The clock power supply wiring is changed to the STBY BUS, and the KEEP ALIVE signal changed to the HOT BATT BUS.

D. Description

This Service Bulletin gives the instructions and data necessary to change the power supply wiring for the clock.

Revision 1 to this Service Bulletin changes the rewiring details at paragraph 3.B.(3) and adds parts to the kit list. Customers who have already incorporated this Service Bulletin need to verify that the clock wiring is correct to paragraph 3.B.(3).

Revision 2 to this Service Bulletin adds a check for an AA battery installed in the Davtron M877 digital clock, and to remove it if one is found.

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 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

	Man-Hours
Preparation	1.5
Modification	2.0
Close up/test	2.0
TOTAL MAN-HOURS	5.5

I. Weight and Balance

None.

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM):

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

M. Publications Affected

Illustrated Parts Catalog

Wiring Diagram Manual.

N. Interchangeability of Parts

Not applicable.

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

Operators should send orders for Service Bulletin Modification Kits, to their Authorized Pilatus Service Center, or to:

PILATUS AIRCRAFT LTD.,
CUSTOMER SUPPORT MANAGER,
CH-6371 STANS,
SWITZERLAND

General Aviation:
Tel: + 41 41 619 3333
Fax: + 41 41 619 7311
eMail: SupportPC12@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD.,
PRODUCT SUPPORT DEPARTMENT
11755 AIRPORT WAY
BROOMFIELD, CO 80021.
UNITED STATES OF AMERICA

Tel: 303 465 9099
Fax: 303 465 6040
eMail: Productsupport@PilBal.com

PILATUS AUSTRALIA (PTY.) LTD,
17 JAMES SCHOFIELD DRIVE,
ADELAIDE AIRPORT SA 5950,
AUSTRALIA

Tel: (08) 8234 4433
Fax: (08) 8234 4499
Free Call: 1800 445 007
eMail: supportpc12@pilatus.com.au

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

Credit will be issued for parts and labour for all affected aircraft on approval of a warranty claim, provided the work is accomplished by an authorized Service Center within 12 months from the issue date of this Service Bulletin.

C. Material Necessary for Each Aircraft

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.