

Service Bulletin No: 24-039

Ref No: 349

Modification No: EC-15-0711

ATA Chapter: 24

**ELECTRICAL POWER - DC GENERATION
REPLACE LEAD ACID BATTERIES WITH NI-CAD BATTERIES****1. Planning Information****A. Effectivity**

PC-12 Series aircraft MSN 101 thru 999, except MSN 545, with a single Main lead acid battery or a Main and a second lead acid batteries installed.

B. Concurrent Requirements

None.

C. Reason**(1) Problem**

Customer request to convert from lead acid battery to Ni-Cad battery.

(2) Cause

None.

(3) Solution

Replace the single Main lead acid battery or Main and a second lead acid battery with Ni-Cad batteries.

D. Description

This Service Bulletin gives the data and instructions necessary to remove the existing lead acid battery and install a Ni-Cad battery for both aircraft with a Main and a Main and a second battery installations.

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.

G. Copyright and Legal Statement

© Pilatus Aircraft Ltd. This document contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be copied, reproduced or translated to other languages without the prior written consent of Pilatus Aircraft Ltd.

In connection with the use of this document, Pilatus does not provide any express or implied warranties and expressly disclaims any warranty of merchantability or fitness for a particular purpose. This document contains trade secrets, confidential and/or proprietary information of Pilatus and technical data subject to export control laws and regulations, including the U.S. Export Administration Regulations (EAR). Disclosure or distribution of this document contrary to the EAR, and other laws and regulations, is strictly forbidden. The above restrictions may apply to data on all pages of this document.

H. Manpower

Task	Man-hours	
	Aircraft with Single Battery	Aircraft with Dual Batteries
Preparation	0.25	0.5
Modification	0.75	1.0
Close up	1.0	1.0
TOTAL MAN-HOURS	2.0	2.5

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

Aircraft with a single Main battery -5.7 lb. (-2,6 kg)
Aircraft with Main and a second batteries -11.5 lb. (-5,2 kg)

(2) Moment Change

Aircraft with a single Main battery +2479.8 lb.in. (-28,57 kgm)
Aircraft with Main and a second batteries +4804.2 lb.in. (-55,35 kgm)

J. Electrical Load Data

Not changed.

K. Software

Not changed.

L. References

Aircraft Maintenance Manual (AMM)

12-A-06-20-00-00A-040A-A 12-A-24-00-00-00A-901A-A 12-A-24-30-00-00A-903A-A
12-A-24-30-07-00A-920A-A 12-A-25-90-00-00A-903A-A 12-A-25-90-00-00A-920A-A

M. Publications Affected

None.

N. Interchangeability of Parts

Not interchangeable.

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

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

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: +1 303 465 9099
Fax: +1 303 465 6040
eMail: SupportPC12@PilBal.com

PILATUS AUSTRALIA PTY LTD
17 JAMES SCHOFIELD DRIVE
ADELAIDE AIRPORT SA 5950
AUSTRALIA

Tel: +61 8 8238 1600
Fax: +61 8 8234 4499
Free Call: +61 1800 PILATUS (745 2887)
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.

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 IPC for delivered parts which differ from those listed in the Service Bulletin Materials Kit List.