

Service Bulletin No: 24-029

Ref No: 279

Modification No: EC-11-0284

ATA Chapter: 24

**ELECTRICAL POWER - BATTERY INSTALLATION
INSTALLATION OF NICKEL CADMIUM BATTERIES IN LIEU OF SEALED LEAD ACID BATTERIES****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 545, 1001 thru 9999.

B. Concurrent Requirements

None.

C. Reason

(1) Problem:

Customer request to install Nickel Cadmium (Ni-Cad) batteries in lieu of Sealed Lead Acid batteries.

(2) Solution:

Install Ni-Cad batteries.

D. Description

This Service Bulletin gives the data and instructions necessary to remove the standard Sealed Lead Acid batteries and install Ni-Cad batteries (both batteries must be of the same type). When Ni-Cad batteries are installed it is necessary to connect the battery temperature monitor system.

NOTE: If the battery relocation STC has been embodied, contact the STC holder for instructions to remove the standard Sealed Lead Acid batteries and to install Ni-Cad batteries.

Revision 1 to this Service Bulletin updates parts in the modification kit and adds instructions to install strain relief for the wiring to the new battery connectors. Operators who have already accomplished this Service Bulletin are advised to make sure that the new battery connectors have wiring strain relief installed.

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	Man-hours
Preparation	0.5
Modification	6.0
Close up	1.0
TOTAL MAN-HOURS	7.5

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

-5,3 kg (-11.7 lb)

(2) Moment Change

-55,2 kg-m (-4791 lb-in)

J. Electrical load Data:

None.

K. Software:

None.

L. References:

Aircraft Maintenance Manual (AMM)

12-B-06-20-00-00A-040A-A 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-24-30-07-00A-920A-A 12-B-24-30-07-00A-920B-A

M. Publications Affected:

Aircraft Maintenance Manual

Illustrated Parts Catalog

Wiring Diagram Manual.

N. Interchangeability of Parts:

Battery P/N 976.11.26.120 is not usable on Post Service Bulletin 24-029 aircraft.

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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