

SERVICE BULLETIN

SERVICE BULLETIN NO: 24-022

REF NO: 172

MODIFICATION NO: 02-0379

ATA CHAPTER: 24

ELECTRICAL POWER - DC POWER REPLACEMENT OF THE GENERATOR CONTROL UNIT FOR AIRCRAFT WITH THE SECOND BATTERY OPTION

1. Planning Information

A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 507 with the second (2nd) battery option installed.

This Service Bulletin is not applicable to aircraft with Generator Control Unit, Part No. 988.21.15.103 installed.

B. Concurrent Requirements

These Service Bulletins must be accomplished before or at the same time as this Service Bulletin:

- Service Bulletin 24-010 - When an Electrosystems generator, Part No. 978.87.24.121 is installed (MSN 101 thru MSN 230).
- Service Bulletin 24-019 - When an Electrodelta voltage regulator, Part No. 988.21.15.101 is installed (MSN 101 thru MSN 320 and MSN 322 thru MSN 400).

Revision 1 to Service Bulletin 24-019 changes the Part No. of the GCU to 988.21.15.103. Service Bulletin 24-022 is not applicable to aircraft Post Service Bulletin 24-019 Revision 1.

C. Reason

(1) Problem

If there is no power output from the number 2 generator there will not be an indication on the CAWS or Overhead Panel until the 2nd battery is discharged.

(2) Cause

The GCU lets the 2nd battery energize the number 2 generator relay until the power output from the battery is not sufficient to hold the relay closed.

(3) Solution

Replace the GCU Part No. 988.21.15.102 with GCU Part No. 988.21.15.103.

D. Description

This Service Bulletin gives the instructions to replace the GCU.

E. Compliance

Mandatory.

Required at the next 100 hour Inspection or Annual Inspection, whichever comes first

F. Approval

The technical aspects of this Service Bulletin have been approved by the Federal Office for Civil Aviation (FOCA) of Switzerland as an Airworthiness Directive.

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

	Total
Replacement of the GCU	1.0
Test	1.5
Close up	0.5
TOTAL MAN-HOURS	2.0

H. Weight and Balance

(1) Weight Change

No effect.

(2) Moment Change

No effect.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), 24-30-06.

L. Publications Affected

Illustrated Parts Catalog (IPC), 24-50-00.

M. Interchangeability of Parts

Pre and Post Service Bulletin 24-022 GCU are not interchangeable.

2. Material Information

A. Material - Price and Availability

Operators should send orders for a GCU, to their Authorized PILATUS Service Center, or to:

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

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