

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 24-010

REF NO: 076

MODIFICATION NO: 98 0130

ATA CHAPTER: 24

ELECTRICAL POWER - DC GENERATION REPLACEMENT OF GENERATOR 2

1. Planning Information

A. Effectivity

All PC-12 and PC-12/45 aircraft from MSN 101 up to and including MSN 230.

This Service Bulletin (SB) will be incorporated prior to delivery on aircraft MSN 231 and subsequent.

Revision 1 of this SB:

- Changes the format to the current SB standard.
- Includes the necessary data and instructions to change the location (if installed) of the voltage-spike suppression filter in the Generator 2 electrical system (Ref. SB 24-012). It is possible for mandatory SB 24-012 to be incorporated on the aircraft before the incorporation of this SB. SB 24-012 includes the installation of the voltage-spike suppression filter. The location of this component must be changed when the Generator 2 is replaced.
- Includes a new table (Additional Material to be Procured) which contains the Generator 2 Assembly. The Generator 2 Assembly is not supplied with the modification kit because it is possible for the Operator to order a new or an exchange item.
- Contains minor text changes.

Revision 2 of this SB includes a recommendation to incorporate SB 24-023 concurrently with this SB.

B. Concurrent Requirements

SB 24-009 (Electrical Power - DC Generation - Installation of a Cut-out Relay) and SB 24-012 (Modification of the GEN 2 Excitation) must be incorporated before or concurrently with this SB.

PILATUS recommends incorporation of SB 24-023 (Electrical Power - DC Generation - Second Generator Wiring - Modification) concurrently with this SB.

C. Reason

Replacement of the Generator 2 (P/N 524.32.12.147) with a new generator (P/N 524.32.12.158).

≡PILATUS≡
PCI2
SERVICE BULLETIN

FOR PLANNING PURPOSES

D. Description

This SB gives the data and instructions necessary to replace the:

- Generator 2
- Drive housing assembly
- Related electrical components

E. Compliance

Optional.

F. Approval

The technical content of this document is approved under the authority of FOCA DOA No. FOCA. JA. 002.

PILATUS advises Operators/Owners to check with their local Airworthiness Authorities for any changes, local regulations or sanctions that can affect the embodiment of this SB.

G. Manpower

	Total
Preparation	0.5
Replacement	8.0
Close up	0.5
Adjustment/Test	0.5
TOTAL MAN-HOURS	9.5

NOTE: Man-hours figures do not include the time required to cure sealants and adhesives.

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

≡PILATUS≡
PCI2
SERVICE BULLETIN

FOR PLANNING PURPOSES

K. References

Aircraft Maintenance Manual (AMM), 06-20-00, 20-20-00, 20-20-01, 24-30-02, 24-30-03, 24-30-04, 24-30-04, 25-10-01, 25-10-03, 25-10-04, 25-21-01, 25-21-04, 25-21-05, 25-22-01, 71-00-00 and 71-10-00.

Pratt & Whitney Canada, Engine Maintenance Manual (EMM), 72-60-00.

SB, 24-012.

L. Publications Affected

AMM, 24-30-02, 24-30-03, 24-30-03, 24-30-04 and 24-30-04.

Illustrated Parts Catalog, 24-30-00.

Wiring Manual, 24-30-30.

M. Interchangeability of Parts

Pre and post SB 24-010 generators are not interchangeable as single units.