

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 24-024

REF NO: 199

MODIFICATION NO: ECN 05 0118

ATA CHAPTER: 24

ELECTRICAL POWER - AC GENERATION SYSTEM STATIC INVERTERS - REPLACEMENT

1. Planning Information

A. Effectivity

PC-12 and PC-12/45 aircraft MSN 101 thru MSN 683. This modification will be incorporated in aircraft MSN 684 and subsequent.

B. Concurrent Requirements

None

C. Reason

Static inverters (975.04.21.103) and dual static inverters (975.04.21.110) are no longer available as replacement parts. If necessary the above parts must be replaced with new static inverters (975.04.21.112).

D. Description

This Service Bulletin gives the data and instructions necessary to replace the static inverter systems.

PC-12 and PC-12/45 aircraft can have single or dual static inverter systems installed. In this Service Bulletin pre-modification static inverters are referred to as follows:

- Dual static inverter - CONFIG 1
- Single static inverters (2 Off) - CONFIG 2

Revision No. 1 to this Service Bulletin is issued to:

- Correct the color codes on the wires on the Post SB wiring diagram for previous Config 2 aircraft (Ref. Figure 3, Sheet 1 of 3)
- Add the disconnection of the wire (2V3B22) from the relay K241-D1 for Config 2 aircraft (Ref. Figure 2, Sheet 1 of 3)
- Add the installation of the wire (2V3B22) to the relay K241-D3 for previous Config 2 aircraft (Ref. Figure 3, Sheet 1 of 3).

E. Compliance

Optional.

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F. Approval

The technical content of this document is approved under the authority of FOCA DOA No. FOCA. 21J. 002.

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
Preparation	3.0
Replacement	4.0
Close up	4.0
TOTAL MAN-HOURS	11.0

NOTE: Man-hours figures do not include the time required to cure consumable materials.

H. Weight and Balance

(1) Weight Change

Negligible.

(2) Moment Change

Negligible.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM): 06-00-00, 24-00-00, 24-20-01, 24-20-02, 24-30-07, 25-21-01, 25-21-04, 25-21-05, 25-21-06, 25-21-07, 25-22-01 and 25-22-04.

L. Publications Affected

AMM: 24-20-00

Illustrated Parts Catalog: 24-20-00.

Wiring Manual: 24-20-00.

M. Interchangeability of Parts

Pre and Post-SB 24-024 static inverters are not interchangeable.

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 6208
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: info@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.