

SERVICE BULLETIN

SERVICE BULLETIN NO: 24-014

REF NO: 102

MODIFICATION NO:

ATA CHAPTER: 24

ELECTRICAL POWER - GENERAL REPLACE THE SUPPRESSION FILTER (A250)

1. Planning Information

A. Effectivity

- (1) All PC-12 and PC-12/45 aircraft from MSN 101 up to and including MSN 289.

This Service Bulletin (SB) will be incorporated prior to delivery on aircraft MSN 290 and subsequent.

- (2) All Suppression Filters (A250) P/N: 524.52.12.358 held as spares - or those delivered as part of the Modification Kit (P/N: 500.50.12.192) for SB 24-012 - must be returned to PILATUS AIRCRAFT LIMITED.

B. Concurrent Requirements

If SB 24-012 has not been done, it must now be done but with the Voltage-Spike Suppression Filter A250 (P/N: 524.52.12.502) as described in this Service Bulletin.

C. Reason

(1) Problem

The CB 235, which protects the GEN 2 circuit, can trip due to overload.

This can, in extreme circumstances, lead to overheating of wiring.

(2) Cause

During manufacture of some suppression filters (A250) (P/N: 524.52.12.358), it is possible that an incorrect diode was installed. With an incorrect diode installed, the suppression filter cannot cut out the spikes of the GEN 2 circuit.

(3) Solution

Replace the suppression filter (A250) (P/N: 524.52.12.358) with a new suppression filter (A250) (P/N: 524.52.12.502).

D. Description

This Service Bulletin describes how to replace and do a test of the suppression filter (A250).

E. Compliance

Mandatory.

The replacement of the suppression filter is required within the next 10 flights, after the effective date of this Service Bulletin; unless already accomplished.

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.

NOTE: 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 | 0.5 |
| Replacement of the Suppression Filter | 1.0 |
| Close up and test | 1.5 |
| TOTAL MAN-HOURS | 3.0 |

H. Weight and Balance

(1) Weight Change

None.

(2) Moment Change

None.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM) Chapters 24-00-00, 24-30-07 and 71-00-00.

Wiring Manual (WM), Chapter 24-30-30

L. Publications Affected

None

SERVICE BULLETIN

M. Interchangeability of Parts

Not applicable.

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 LIAISON MANAGER,
CH 6371 STANS,
SWITZERLAND.

or PILATUS BUSINESS AIRCRAFT LTD.,
PRODUCT SUPPORT DEPARTMENT,
11755 AIRPORT WAY,
BROOMFIELD, CO 80021.
USA

Tel : + 41 41 619 6319 (General aviation)
Tel : + 41 41 619 6509 (Government)
Fax: + 41 41 619 6224

Tel : + 1 303 465 9099
Fax: + 1 303 465 6040

NOTE: Operators are requested to advise Pilatus Aircraft Ltd, using the Service Bulletin Evaluation Sheet, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are allocated for this Service Bulletin.