

SERVICE BULLETIN

SERVICE BULLETIN NO: 27-017

REF NO: 198

MODIFICATION NO: ECN-05-0100

ATA CHAPTER: 27

FLIGHT CONTROLS - FLAPS MODIFICATION TO THE WIRING CIRCUIT OF THE FLAP POWER DRIVE-UNIT

1. Planning Information

A. Effectivity

PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 400 which have accomplished Service Bulletin 27-013.

PC-12 and PC-12/45 aircraft from MSN 401 thru MSN 697.

PC-12 and PC-12/45 aircraft from MSN 101 thru MSN 697 which do not have flap computer warning-unit (FCWU) P/N. 978.73.20.017 installed

Revision 1. changes the effectivity of this Service Bulletin to exclude aircraft which have FCWU P/N. 978.73.20.017 installed. Other minor changes are also included to bring the Service Bulletin to current standards.

B. Concurrent Requirements

None

C. Reason

(1) Problem

Operators, with a Sauter Bachmann (SABA) Power Drive Unit (PDU) installed, have reported instances that, when the error code E208 shows, the FLAP circuit breaker (CB955) does not open.

(2) Cause

The PDU fail signal is reset when the drive command is removed by the FCWU. In some cases, the drive command is removed before the FLAP circuit breaker (CB955) has tripped.

(3) Solution

Do a modification to the wiring circuit of the PDU to install a relay. This relay will provide a separate ground signal to the FCWU, not through the FLAP circuit breaker (CB955), which makes sure the FLAP circuit breaker trips.

It is not necessary to modify the PDU wiring circuit in PC-12 and PC-12/45 aircraft which have FCWU (978.73.20.017) installed.

D. Description

This Service Bulletin gives the data and instructions necessary to do the modification to the Wiring circuit of the PDU.

E. Compliance

Recommended.

F. Approval

The technical content of this Service Bulletin is approved under the authority of DOA No. EASA.21J.357.

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

	MSN 101 thru MSN 400	MSN 401 thru MSN 697
	Total	Total
Preparation	1.50	2.50
Modification to the wiring circuit	3.00	3.00
Close up	2.00	3.00
TOTAL MAN-HOURS	6.50	8.50

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

H. Weight and Balance

(1) Weight Change

Not changed.

(2) Moment Change

Not changed.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), 06-40-00, 24-00-00, 24-30-07, 25-10-03, 25-21-04 or 25-22-04 and 32-30-00.

L. Publications Affected

Wiring Manual, 27-50-00.

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:

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CUSTOMER SUPPORT MANAGER,
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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.