

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 27-006

REF NO: 091

MODIFICATION NO:

ATA CHAPTER: 27

FLIGHT CONTROLS - FLAPS INSTALLATION OF A NEW FLAP RESET SYSTEM

1. Planning Information

A. Effectivity

- (1) All PC-12 and PC-12/45 aircraft MSN 101 thru MSN 320 as a customer option. This Service Bulletin will be incorporated prior to delivery on aircraft MSN 321 and subsequent.
- (2) Revision 1 of this Service Bulletin changes the flap-system test procedure and the part No. of the Maintenance Panel. Revision 1 does not affect aircraft in which the basic Service Bulletin 27-006 is incorporated.
- (3) Revision 1A. of this Service Bulletin changes Figure 1.

B. Concurrent Requirements

None

C. Reason

(1) Problem

Some operators who regularly use unprepared runways and rough taxi-ways can have shut-downs of the flap system and/or the Flap Control Warning Unit (FCWU). The shut-down occurs when the flaps are in motion while the aircraft moves over rough ground. To make the flap system operational again requires the reset of the FCWU which requires a given maintenance action.

(2) Cause

The FCWU monitors the flap motion which may be caused by the vibration of the flap panels, as the aircraft moves over rough ground. This depends on the conditions, the vibrational motion which can be given, by the FCWU, as an asymmetry condition which then shuts down the flap system.

(3) Solution

Installation of a flap reset switch which allows the pilot to reset the FCWU without a maintenance action. This switch is only operational on the ground. In the instance, that the failure which caused the FCWU to shut down and to illuminate the CAWS caption "FLAPS" is not transient, the reset action is only momentarily and the failure will continue. In this case maintenance actions will be necessary.

E. Compliance

Optional.

F. Approval

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

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	1.5
Modification	3.0
Test	1.0
Close up	1.5
TOTAL MAN-HOURS	7.0

NOTE: Aircraft that have a lavatory installed, the man-hours will increase by 1.5 hours.

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

K. References

Aircraft Maintenance Manual (AMM), Chapters 07-10-00, 24-00-00, 25-10-01, 25-10-03, 25-10-04, 29-00-00 and 32-30-00.

Illustrated Parts Catalog (IPC), Chapter 21-30-00.

Airplane Flight Manual/Pilots Operating Handbook (AFM/POH).

L. Publications Affected

Illustrated Parts Catalog (IPC), Chapter 21-30-00.

Airplane Flight Manual/Pilots Operating Handbook (AFM/POH).

M. Interchangeability of Parts

Not applicable.

2. Material Information

A. Material - Price and Availability

(1) Material

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 41 610 3351

Tel: 303 465 9099

Fax: 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.