

FOR PLANNING PURPOSES

SERVICE BULLETIN

SERVICE BULLETIN NO: 27-004

REF NO: 075

MODIFICATION NO:

ATA CHAPTER: 27

FLIGHT CONTROLS - FLAPS - REMOVE THE ALTERNATE FLAP SYSTEM

1. Planning Information

A. Effectivity

- (1) All PC-12 and PC-12/45 aircraft from MSN 101 up to and including MSN 227 and 232.

This Service Bulletin will be incorporated prior to delivery on aircraft MSN 228 and subsequent, except MSN 232.

B. Concurrent Requirements

None

C. Reason

(1) Problem

Improper use of the 'Alternate Flap System' in the instance of a mechanical failure of the flap system may lead to flap asymmetry which in turn could lead to a potentially dangerous situation. Though the procedures in the AFM/POH describe exactly the procedures to be followed in the instance of a flap malfunction, it has come to PILATUS' attention that pilots use the 'Alternate Flap System' without adhering to the prescribed procedures. To prevent any possible potentially-dangerous situation, as a consequence of improper pilot's handling, the alternate flap system will now be removed.

(2) Cause

The ALTERNATE FLAP switch has been used to control flaps which is not in strict adherence to the AFM/POH and with the necessary caution.

(3) Solution

Remove the ALTERNATE FLAP switch from the cockpit center console and install a blanking plate. Install a FLAP MAINT switch, behind the pilot, on the side of the System Test Panel; together with the required wiring.

NOTE: To reduce the tendency of spurious flap warnings which will necessitate maintenance actions - it is recommended to implement SB 27-002; which introduces an improved clamping of the flap position transmitters and an upgraded Flap Warning and Control Unit.

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D. Description

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This Service Bulletin removes the ALTERNATE FLAP switch from the center console in the cockpit and installs a blanking plate.

The Service Bulletin also installs a FLAP MAINT switch on the side of the System Test Panel, re-routes and extends the wiring from the existing circuit breaker (CB033) and the flap interrupt switch (S32).

E. Compliance

Mandatory.

Required within the next 30 days 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	1.5
Modification	6.0
Test	0.5
Close up	2.0
TOTAL MAN-HOURS	10.0

H. Weight and Balance

(1) Weight Change

Not affected.

(2) Moment Change

Not affected.

I. Electrical Load Data

Not changed.

J. Software

Not changed.

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K. References

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Aircraft Maintenance Manual (AMM), Chapters 24-00-00, 25-10-01 and 25-10-03.

Wiring Manual (WM), Chapter 27-50-00.

L. Publications Affected

Aircraft Maintenance Manual (AMM), Chapter 27-50-00.

Pilot's Operating Handbook and Airplane Flight Manual.

M. Interchangeability of Parts

Not applicable.