

# SERVICE BULLETIN

SERVICE BULLETIN NO: 57-004

REF NO: 094

MODIFICATION NO:

ATA CHAPTER: 57

## FLAP - TRAILING EDGE MODIFICATION OF THE FLAP INBOARD ATTACHMENT FITTINGS

### 1. Planning Information

#### A. Effectivity

- (1) All PC-12 and PC-12/45 aircraft from MSN 101 up to and including MSN 300.

The intent of this Service Bulletin will be incorporated, prior to delivery on aircraft MSN 301 and subsequent, as a design change.

#### B. Concurrent Requirements

None

#### C. Reason

##### (1) Problem

A reinforcement is necessary to increase the strength of each inner flap attachment fitting.

##### (2) Cause

On a static test, it was found that a combination of full (40°) flap (at the maximum allowable aircraft speed) with full power and a head-on wind gust, resulted in insufficient safety margins against buckling of the inboard flap attachment fitting.

##### (3) Solution

Install a reinforcement angle bracket to the inside center web of both flap inner attachment fittings (Ref. Fig. 1).

#### D. Description

This Service Bulletin describes how to install the two angle brackets with cherrymax rivets.

#### E. Compliance

Mandatory.

Required within the next 6 calendar months after the effective date of this Service Bulletin.

**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
Modification of the Flap Attachment Fittings	4.0
Close up	0.5
<b>TOTAL MAN-HOURS</b>	<b>5.0</b>

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

**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), Chapter 24-00-00.

**L. Publications Affected**

None.

**M. Interchangeability of Parts**

Not applicable.

**SERVICE BULLETIN**

**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 41 610 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.