



Bundesamt für Zivilluftfahrt (BZL)
Office fédéral de l'aviation civile (OFA)
Ufficio federale dell'aviazione civile (UFA)
Federal Office for Civil Aviation (FOA)

Lufttüchtigkeitsanweisung Nr.
Consigne de Navigabilité no HB 84-182
Prescrizione di aeronavigabilità no
Airworthiness Directive No.

Bern, 27.12.1984

Betrifft - Concerne - Oggetto - Subject

All Pilatus PC-6 Porter and Turbo-Porter up to S/N 844

Anlass/Massnahmen - Objet/Mesures - Motivo/Provvedimenti - Reason/Actions

Horizontal stabilizer - Inspection for cracks - Repair and replacement

Frist - Délai - Termine - Term

See Service Bulletin under D. COMPLIANCE

Herkunft - Provenance - Provenienza - Origin
Bezugnahme - Référence - Referenza - Reference

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Bemerkungen - Remarques - Osservazioni - Remarks

PLANNING INFORMATION of SB is attached on pages 2, 3 and 4 of this AD

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PILATUS AIRCRAFT LTD. 6370 STANS, SWITZERLAND	
	SERVICE BULLETIN
ISSUE DATE December 1984	NO: 144

TITLE: HORIZONTAL STABILIZER - INSTALL STANDARD REPAIR PLATE

1. PLANNING INFORMATION

A. EFFECTIVITY

1) AIRCRAFT AFFECTED

All PC-6 Porter and Turbo-Porter aircraft up to and including Manufacturers Serial Number (MSN) 844.

2) SPARES AFFECTED

None.

B. REASON

Instances have been reported of cracks propagating from the corners, and in particular, the upper corners, of the rectangular cutout located in the front spar of the horizontal stabilizer, adjacent to the elevator control cables pulley assembly.

C. DESCRIPTION

This Service Bulletin gives instructions for the following tasks:

1) Crack inspection (Initial and Periodic).

2) Procedures for TELEXING/TELEPHONING accurate and comprehensive details of crack propagation to PILATUS AIRCRAFT LTD, so that special repair schemes can be prepared if required.

3) Installation of a standard repair plate.

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D. COMPLIANCE

Mandatory repair for horizontal stabilizers which have cracks.

- 1) Aircraft (on initial inspection) found to have no cracking of the stabilizer cutout, or found to have been previously repaired with a reinforcing plate, fitted under Service Bulletin No. 27a, (dated Nov. 1965) and the repair plate shows no sign of cracking, may continue flying.
- 2) Aircraft (on initial inspection) found to have cracks up to 5mm must have the crack extremities stop-drilled using a 3.3mm dia. (N° 30) drill. The aircraft may continue to fly providing that a standard repair plate (P/N 113.45.06.027) is installed within the next 50 flying hours. Cracks found to be more than 5mm long must have the standard repair plate fitted before next flight.

NOTE: 1. When ordering Mod. Kit operators must state whether Kit is for Fig. 4 repair, or, Figure 5 repair.

NOTE: 2. Where inspection of a stabilizer cutout reveals a crack which exceeds 20mm in length, or a previously installed repair plate (Service Bulletin 27a) has cracks exceeding 20mm, then no further flying of that aircraft is permitted until a special repair scheme (supplied by PILATUS AIRCRAFT LTD.) has been installed. Any operator finding cracks of this nature must immediately inform PILATUS and await further instructions. Refer to Para 2.C. for recommended procedures.

E. APPROVAL

The technical aspects of this Service Bulletin are approved as an Airworthiness Directive (AD) by the Swiss Federal Office for Civil Aviation.

F. MANPOWER

The following approximate manhours are required to accomplish the various parts of this Service Bulletin:

- 0.5 manhours to inspect stabilizer cutout.
- 1.0 manhour to remove elevators and stabilizer.
- 4.0 manhours for repair and installation of standard reinforcing plate.
- 1.5 manhours to install stabilizer and elevators.
- 0.5 manhours for Close Up.

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G. MATERIAL COST AND AVAILABILITY

1) MATERIAL

Operators may forward orders for modification kits, quoting this Service Bulletin, to:

PILATUS AIRCRAFT LTD.
Product Support Dept.
CH 6370 STANS
SWITZERLAND

NOTE: Operators are requested to advise PILATUS AIRCRAFT LTD. of the aircraft MSN, flying hours and landings of the aircraft for which Mod. Kits are being ordered.

2) COST

Mod. kit (Fig. 4 repair) or (Fig. 5 repair) SFr. 90.--

Sales terms stated apply for a period of 1 year from the original date of this Service Bulletin. Beyond this period, sales terms may be revised.

3) AVAILABILITY

Mod. kits will be dispatched as soon as possible after receipt of orders.

H. TOOLING

No special tools required.

I. WEIGHT AND BALANCE

The installation results in a negligible increase in weight and moment.

J. ELECTRICAL LOAD DATA

Not affected.

K. REFERENCE TO OTHER PUBLICATIONS

PC-6 Service Manual (Maintenance Schedule).

L. PUBLICATIONS AFFECTED

- 1) PC-6 Service Manual
- 2) PC-6 Maintenance Manual
- 3) PC-6 Structure Repair Manual