



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  
Prescrizione di aeronavigabilità no  
Airworthiness Directive No.

HB 84-023

Bern, 22.2.1984

Betrifft - Concerne - Oggetto - Subject

Pilatus PC-6 Porter / Turbo Porter up to Serial No. 815

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

Aileron /flap mount attachment fittings - Inspection and modification

Frist - Délai - Termine - Term

See Service Bulletin under 1.4 COMPLIANCE

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

Pilatus Service Bulletin No. 138, Rev. 2, modification variants 138/1 and 138/2

Bemerkungen - Remarques - Osservazioni - Remarks

This AD supersedes HB 83-018

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

Rechtsmittelbelehrung siehe FM TM-W 80.015-10


Voies de droit, voir FM CT-I 80.015-10

Rimedi giuridici, vedi FM CT-I 80.015-10

Instructions about a person's right to appeal see FM CT-I 80.015-10

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BAZL 55.10 - 1.83

<b>PILOTUS</b> AIRCRAFT LTD. 6378 STANS, SWITZERLAND	
	<b>SERVICE BULLETIN</b>
DATE: February 1984 (Revision 2)	NO: 138

Rev.2 - Applicable only to pages 1,2 and 31

TITLE : REPLACE AILERON/FLAP MOUNT ATTACHMENT FITTINGS

1. PLANNING INFORMATION

Applicable to two modification variants 138/1 and 138/2

1.1 EFFECTIVITY

A. AIRCRAFT AFFECTED

All PC-6 Porter and Turbo-Porter models up to and including aircraft Manufacturer's Serial N° (MSN) 815.

NOTE: This Service Bulletin will be incorporated prior to delivery on aircraft MSN 816 and subsequent.

B. SPARES AFFECTED

Aileron mounts P/N 6100.0011.00 held as spares should be modified (new stiffener plates, enlarged bolt holes and new lockwire holes) in accordance with the relevant parts of the Accomplishment Instructions of this Service Bulletin. After modification, renumber aileron mount to P/N 6100.0011.51

1.2 REASON

Cracks have been found in the angle brackets forming the attachment of the aileron flap mountings. The cracks are probably attributable to the following causes:

- fatigue caused by the aircraft being subjected to overspeeding
- harsh maneuvering of the aircraft at high speed.

Examination of angle brackets removed from aircraft after the incorporation of Service Bulletin 138, revealed that where cracked brackets were found the aircraft had been used in the parachuting role.

1.3 DESCRIPTION

This bulletin gives instructions for modifying aileron/flap mountings on all aircraft up to and including aircraft MSN 815.

Modification variant 138/1 is applicable to aircraft fitted with small (490 liter) integral fuel tanks.

Pilatus Service Bulletin No. 138/1 and 2

Modification variant 138/2 is applicable to aircraft fitted with large (644 liter) integral fuel tanks.

1.4 COMPLIANCE

Mandatory.

Aircraft which are operating, or, have operated in the parachuting role (or a similar role), or have been subjected to overspeeding, this Service Bulletin must be incorporated BEFORE NEXT FLIGHT.

Aircraft operating in a role other than the parachuting role the following compliance is applicable:

- Aircraft up to 1000 flight hours, this Service Bulletin must be incorporated within the next 3 PERIODIC INSPECTIONS.
- Aircraft up to 2000 flight hours, this Service Bulletin must be incorporated within the next 2 PERIODIC INSPECTIONS.
- Aircraft with more than 2000 flight hours, this Service Bulletin must be incorporated at or before the next PERIODIC INSPECTION.

NOTE 1: Periodic Inspection is every 100 flying hours.

NOTE 2: On aircraft with wings which have been replaced or rotated with spare wings, the above flight time limitations should be applied only to the wings.

1.5 APPROVAL

This Service Bulletin is approved as an AIRWORTHINESS DIRECTIVE, by the Federal Office for Civil Aviation (F.O.A.) of Switzerland.

1.6 MANPOWER

This Service Bulletin may be accomplished in the following approximate manhours.

95 manhours per aircraft.

1.7 MATERIAL - COST AND AVAILABILITY

A. MATERIAL

Operators should forward orders for aircraft and spares modification kits, and tooling kits, quoting this Service Bulletin, to:

PILATUS AIRCRAFT LTD.  
Product Support Dept.  
CH 6370 - S t a n s  
S W I T Z E R L A N D

Pilatus Service Bulletin N° 138/1 and 2

Operators must ensure that the correct modification kit is ordered for their aircraft:

- Mod. Kit (SB 138) P/N 111.35.06.122 is applicable to aircraft with small (490 liter) integral fuel tanks and without an aileron trim system.
- Mod. Kit (SB 138) P/N 111.35.06.123 is applicable to aircraft with small (490 liter) integral fuel tanks and with an aileron trim system.
- Mod. Kit (SB 138) P/N 111.35.06.124 is applicable to aircraft with large (644 liter) integral fuel tanks and without aileron trim system.
- Mod. Kit (SB 138) P/N 111.35.06.125 is applicable to aircraft with large (644 liter) integral fuel tanks and with aileron trim system.

B. COST

Free of charge.

C. AVAILABILITY

Mod. Kits will be dispatched as soon as possible after receipt of order.

1.8 TOOLING

Templates are supplied to provide quick, simple and accurate marking out, cutting out and drilling operations. Operators should ensure that they order the correctly numbered Tooling Kit.

A. AVAILABILITY

Tooling (one kit per Operator) will be delivered free of charge with Mod. Kits.

1.9 WEIGHT AND BALANCE

Not affected.

1.10 REFERENCE TO OTHER PUBLICATIONS

None.

1.11 PUBLICATIONS AFFECTED

Illustrated Parts Catalog.