



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
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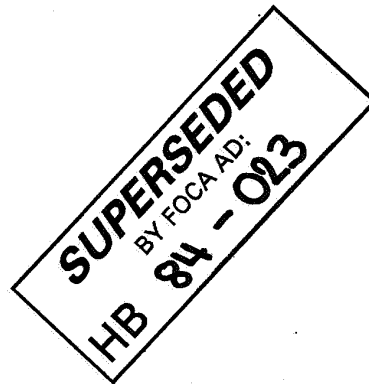
Bern, 09.02.1983

Betrifft - Concerne - Oggetto - Subject

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

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

Replacement of Aileron / flap mount attachment fittings



Frist - Délai - Termine - Term

See SB under 1.4 COMPLIANCE

Herkunft - Provenance - Provenienza - Origin

Bezugnahme - Référence - Referenza - Reference

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

Bemerkungen - Remarques - Osservazioni - Remarks

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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PIPILATUS AIRCRAFT LTD.; 6370 STANS, SWITZERLAND	
	SERVICE BULLETIN
DATE : December 1982	NO: 138

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 6100.11.

1.2 REASON

Two instances have occurred of cracks being found in the angle brackets forming the attachment of the aileron/flap mountings. The cracks are probably attributable to fatigue caused by the aircraft being subjected to overspeeding. In one instance, the attachment failed completely, resulting in the loss of an aileron.

Subsequently, several high-time aircraft have been inspected and the affected attachments have been found to be completely serviceable.

However, due to the impracticability of carrying out regular, in-service inspections of the affected parts, it has been decided that the attachment must be replaced.

Pilatus Service Bulletin N° 138/1 and 2

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.

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

1.4 COMPLIANCE

Mandatory.

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.

Aircraft which have been subjected to an overspeed condition. This Service Bulletin must be incorporated as soon as possible.

NOTE: Periodic Inspection is every 100 flying hours.

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.

50 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.