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TO HOLDERS OF:

PC-6 AIRCRAFT MAINTENANCE MANUAL

DOCUMENT NUMBER 01975 (IAC AR)

REVISION 30

DATED OCT 30/20

HIGHLIGHTS

Pages which have been added or revised are given below together with the highlights of the revision. Remove and insert the affected pages as listed.

	Remove	Insert	Reason for Change
Chapter 04 - Airworthiness Limitations			
04-LEP	1 and 2	1 and 2	Updated.
04-00-00	1 thru 6	1 thru 6	Inspection note added.
Chapter 05 - Time Limits/Maintenance Checks			
05-LEP	1 and 2	1 and 2	Updated.
05-10-10	1 thru 4	1 thru 4	Text updated.
05-23-01	1 thru 12	1 thru 12	Text updated.
Chapter 06 - Dimensions and Areas			
06-LEP	1 and 2	1 and 2	Updated.
06-00-00	1 thru 7	1 thru 8	Text updated.
Chapter 20 - Standard Practices			
20-LEP	1 and 2	1 and 2	Updated.
20-10-01	201 thru 206	201 thru 214	Procedures updated.
20-10-06	201 thru 216	201 thru 220	Procedures updated.
20-31-00	1 thru 38	1 thru 38	Consumables updated.
Chapter 27 - Flight Controls			
27-LEP	1 thru 4	1 thru 4	Updated.
27-00-00	601 thru 604	601 thru 604	Procedure updated.

Chapter 53 - Fuselage

53-LEP	1 and 2	1 and 2	Updated.
53-00-01	601 thru 606	601 thru 608	Procedure updated.
53-30-00	601 thru 610	601 thru 610	Procedure updated.

Chapter 57- Wings

57-LEP	1 and 2	1 and 2	Updated.
57-00-00	401 thru 408	401 thru 408	Procedure updated.
57-00-01	401 thru 403	401 thru 404	Procedure updated.

Record of Revisions Sheet Record incorporation of this revision and date of incorporation.

Record of Temporary Revisions Sheet No changes.

≡PILATUS≡
PC-6
MAINTENANCE MANUAL

CHAPTER 04 - AIRWORTHINESS LIMITATIONS
TABLE OF CONTENTS

Subject	Chapter Section Subject	Page	Effectivity
AIRWORTHINESS LIMITATIONS	04-00-00		
General		1	All
Mandatory Structural Inspections		1	All
Life Limited Items		4	All

PILATUS PC-6 MAINTENANCE MANUAL

AIRWORTHINESS LIMITATIONS

1. General

The Airworthiness Limitations section is EASA approved and variations must also be approved.

The Airworthiness Limitations section is also FAA approved for US registered aircraft in accordance with FAR 21.29.

The Airworthiness Limitations section is FAA approved and specifies maintenance required under 14 CFR 43.16 and 91.403 unless an alternate program has been FAA approved.

On any PC-6, do not install the following parts:

Mechanical stabilizer trim system:

Connecting pieces 6232.0026.XX manufactured by Fairchild. The Fairchild part has a rivet in the center that is not on the Pilatus part (refer also to SB 53-001, Rev. 1).

Electrical stabilizer trim system:

Fitting 116.40.06.033 without index after part number (refer also to SB 53-001, Rev. 1).

2. Limit Of Validity (LOV)

For PC-6 / B2-H4 aircraft registered in the Commonwealth of Independent States (CIS) the following applies:

- LOV - Airframe: 27,750 flying hours or 36,225 landings (whichever comes first).

3. Mandatory Structural Inspections

Item	Maintenance Requirement	Interval
Chapter 27 - Flight Controls		
Aileron, Rudder, Elevator and Flap Bellcranks and Levers	Examine (Non Destructive Inspection, see NOTE F below)	7000 flying hours or 14 years (whichever comes first)
Aileron Trim Screw-Actuator (Mechanical System)	Check for backlash. The maximum permitted backlash is 0,3 mm (0.012 in.)	3500 flying hours or 7 years (whichever comes first)
Chapter 53 - Fuselage		
Stabilizer Trim Attachment Components, FR12A	Examine (Ref. 53-30-00. Page Block 601)	1100 flying hours or 12 months (whichever comes first) See NOTE C and NOTE G below
FR12A	Examine (Ref. 53-30-00. Page Block 601)	1100 flying hours or 12 months (whichever comes first) See NOTE C and NOTE G below

EFFECTIVITY: All

PILATUS PC-6 MAINTENANCE MANUAL

Item	Maintenance Requirement	Interval
<p>Fuselage - Wing-Strut Attachment-Brackets</p> <p>Fuselage Wing Fittings</p>	<p>Examine (Ref. 53-28-00, Page Block 601)</p> <p>Examine (Ref. 53-00-01, Page Block 601)</p> <p>NOTE: This procedure is revised, see NOTE I below</p>	<p>3500 flying hours or 7 years (whichever comes first)</p> <p>7000 flying hours or 14 years (whichever comes first)</p>
<p>Chapter 55 - Stabilizers</p> <p>Trim Actuator Attachment</p>	<p>Examine (Ref. 55-11-11, Page Block 601)</p>	<p>1100 flying hours or 12 months (whichever comes first) See NOTE C and NOTE G below</p>
<p>Chapter 57 - Wings</p> <p>Left and Right Wing-Strut Fitting (All P/Ns)</p> <p>Left Wing-Strut Fitting (P/N 6102.0041.00, 111.35.06.055, 111.35.06.184 or 111.35.06.185)</p>	<p>Examine (Ref. 57-00-02, Page Block 601 - Check 1 - Visual Inspection)</p> <p>Examine (Ref. 57-00-02, Page Block 601 - Check 2 - Eddy Current Inspection (Ref. SRM 51-00-09))</p>	<p>Aircraft registered in the USA (N-registration): 3 months</p> <p>All other aircraft: 3 months (See NOTE 1) 6 months (See NOTE 2) 12 months (See NOTE 3)</p> <p>NOTE 1: For aircraft that operate in a severe Corrosion Severity Zone (Ref. AMM, 20-40-00, Page Block 1)</p> <p>NOTE 2: For aircraft that operate in a moderate Corrosion Severity Zone (Ref. AMM, 20-40-00, Page Block 1)</p> <p>NOTE 3: For aircraft that operate in a mild Corrosion Severity Zone (Ref. AMM, 20-40-00, Page Block 1)</p> <p>See NOTE D and NOTE G below</p> <p>1100 flying hours or 12 months (whichever comes first) See NOTE D and NOTE G below</p>

EFFECTIVITY: All

≡PILATUS≡
PC-6
MAINTENANCE MANUAL

Item	Maintenance Requirement	Interval
Right Wing-Strut Fitting (P/N 6102.0041.00, 111.35.06.056, 111.35.06.184 or 111.35.06.186)	Examine (Ref. 57-00-02, Page Block 601 - Check 2 - Eddy Current Inspection (Ref. SRM 51-00-09))	1100 flying hours or 12 months (whichever comes first) See NOTE D and NOTE G below
Left Wing-Strut Fitting (P/N 111.35.06.193, 111.35.06.195, 111.35.06.216 or 111.35.06.217)	Examine (Ref. 57-00-02, Page Block 601 - Check 2 - Eddy Current Inspection (Ref. SRM 51-00-09))	12 months See NOTE D and NOTE G below
Right Wing-Strut Fitting (P/N 111.35.06.194, 111.35.06.195, 111.35.06.216 or 111.35.06.218)	Examine (Ref. 57-00-02, Page Block 601 - Check 2 - Eddy Current Inspection (Ref. SRM 51-00-09))	12 months See NOTE D and NOTE G below
Wing to Fuselage Fittings	Examine (Ref. 57-00-03, Page Block 601)	7000 flying hours or 14 years (whichever comes first)
Aileron/Flap Support-Brackets	Examine (Ref. 57-26-01, Page Block 601 - Non Destructive Inspection, see NOTE F below)	7000 flying hours or 14 years (whichever comes first)

- NOTE A:** Refer to the appropriate engine and propeller maintenance manuals for the applicable airworthiness limitations.
- NOTE B:** If any of the above maintenance tasks were accomplished in accordance with an earlier revision of this AMM, the relevant interval starts from that date, except for items with NOTES C or D.
- NOTE C:** For parts with 1000 flying hours or more since the completion of SB 53-003 part B, the maintenance task must be accomplished within 100 flying hours or 100 landings, whichever comes first.
- NOTE D:** If the maintenance requirement of this task was accomplished as part of SB 57-005 or superordinate ADs, the interval starts from that date.
- NOTE E:** Any maintenance task listed above for which NOTES B, C or D do not apply must be accomplished within 12 months from the effective date of Feb 28/10.
- NOTE F:** You can do a Fluorescent Dye Penetrant Inspection or an Eddy Current Inspection (Ref. SRM 51-00-09).
- NOTE G:** A 10% tolerance only to the calendar time interval is applicable.

PILATUS PC-6 MAINTENANCE MANUAL

NOTE I: In accordance with the design, the bush (P/N 6100.0020.01) must be installed with grease. If the bush (P/N 6100.0020.01) has been bonded as instructed in the AMM Doc No. 01975 Revision 29 (Feb 28/20) (Ref. 53-00-01, Page Block 601), the inspection / check of Frame 3 must be done again:

- Within 100 flying hours of the issue date of AMM Doc No. 01975 Revision 30 (Oct 30/20)
- With AMM Doc No. 01975 Revision 30 (Oct 30/20) or later versions of 53-00-01, Page Block 601
- Remove and discard the bonded bush (P/N 6100.0020.01) as described for the bonded bush (P/N 6201.0107.01).

4. Life Limited Items

Item	Maintenance Requirement	Interval
Chapter 25 - Equipment and Furnishings		
Halon Fire Extinguisher (if installed)	Replace (discard)	10 years
Chapter 27 - Flight Controls		
Flight Control Chains (Mechanical Trim and Flaps)	Replace (discard)	7000 flying hours or 14 years (whichever comes first)
Aileron Attachment Bolts	Replace (discard)	7000 flying hours or 14 years (whichever comes first)
Elevator Attachment Bolts	Replace (discard)	7000 flying hours or 14 years (whichever comes first)
Rudder Attachment Bolts	Replace (discard)	7000 flying hours or 14 years (whichever comes first)
Flap Attachment Bolts	Replace (discard)	7000 flying hours or 14 years (whichever comes first)
Horizontal-Stabilizer Attachment-Bolts	Replace (discard)	7000 flying hours or 14 years (whichever comes first)
Stabilizer Trim Actuator (Mechanical Trim)	Overhaul	3500 flying hours
Stabilizer Trim Actuator (Electrical Trim)	Overhaul	3500 flying hours
Flap Actuator (Electrical System) All models except P/Ns 978.73.14.101 and 978.73.14.103 (listed below)	Overhaul	3500 flying hours or 7 years (whichever comes first)

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