

PC-6 AIRWORTHINESS LIMITATIONS

DOCUMENT NO. 02334

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. Mandatory Structural Inspections

Item	Maintenance Requirement	Interval
Chapter 27 - Flight Controls		
Aileron, Rudder, Elevator and Flap Bellcranks and Levers	Examine (Non Destructive Inspection, see NOTES F and G 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 in accordance with APPENDIX A	3500 flying hours or 7 years (whichever comes first) See NOTE C below
FR12A	Examine in accordance with APPENDIX A	3500 flying hours or 7 years (whichever comes first) See NOTE C below
Fuselage - Wing-Strut Attachment-Brackets	Examine (Non Destructive Inspection, see NOTES F and G below)	3500 flying hours or 7 years (whichever comes first)

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Item	Maintenance Requirement	Interval
Chapter 55 - Stabilizers		
Trim Actuator Attachment	Examine in accordance with APPENDIX B	3500 flying hours or 7 years (whichever comes first) See NOTE C below
Chapter 57 - Wings		
Left and Right Wing-Strut Fitting (All P/Ns)	Examine in accordance with APPENDIX C, Check 1	Aircraft registered in the USA: 3 months All other aircraft (not operating in the USA): 3 months (See NOTE 1) 6 months (See NOTE 2) 12 months (See NOTE 3) NOTE 1: For aircraft that operate in a severe Corrosion Severity Zone NOTE 2: For aircraft that operate in a moderate Corrosion Severity Zone NOTE 3: For aircraft that operate in a mild Corrosion Severity Zone See NOTE D below
Left Wing-Strut Fitting (P/N 6102.0041.00, 111.35.06.055, 111.35.06.184 or 111.35.06.185)	Examine in accordance with APPENDIX C, Check 2 (Non Destructive Inspection, see NOTE G below)	1100 flying hours or 12 months (whichever comes first) See NOTE D below
Right Wing-Strut Fitting (P/N 6102.0041.00, 111.35.06.056, 111.35.06.184 or 111.35.06.186)	Examine in accordance with APPENDIX C, Check 2 (Non Destructive Inspection, see NOTE G below)	1100 flying hours or 12 months (whichever comes first) See NOTE D below
Left Wing-Strut Fitting (P/N 111.35.06.193 or 111.35.06.195)	Examine in accordance with APPENDIX C, Check 2 (Non Destructive Inspection, see NOTE G below)	12 months See NOTE D below
Right Wing-Strut Fitting (P/N 111.35.06.194 or 111.35.06.195)	Examine in accordance with APPENDIX C, Check 2 (Non Destructive Inspection, see NOTE G below)	12 months See NOTE D below

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Item	Maintenance Requirement	Interval
Wing - Fuselage Attachments	Examine (Non Destructive Inspection, see NOTES F and G below)	7000 flying hours or 14 years (whichever comes first)
Aileron/Flap Support-Brackets	Examine in accordance with APPENDIX G (Non Destructive Inspection, see NOTES F and G 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 at a date earlier than the effective date of this document, the relevant interval starts from that date, except for items with NOTES C or D.
- NOTE C:** If the maintenance requirement of this task was accomplished as part of SB 53-001 or superordinate ADs, the interval starts from that date.
- 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 this document.
- NOTE F:** You can do a Fluorescent Dye Penetrant Inspection or an Eddy Current Inspection.
- NOTE G:** Only persons qualified and certified to NDT Level II (or higher) National Aerospace Standard NAS 410, European Standard EN 4179, or any other equivalent standards, shall do an Eddy Current Inspection.
Pilatus recommend that persons qualified and certified to NDT Level II (or higher) National Aerospace Standard NAS 410, European Standard EN 4179, or any other equivalent standards, do a Fluorescent Dye Penetrant Inspection.

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3. 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)
Flap Actuator (Electrical System) (Electro-Metal Type 55.1-1100, P/N 978.73.14.101)	Overhaul	3000 landings
Flap Actuator (Electrical System) (Electro-Metal Type 55.1-1100, Amdt. 2 P/N 978.73.14.103)	Overhaul	5000 landings or 7 years (whichever comes first)
Flap Actuator Jacks (Mechanical System)	Overhaul	3500 flying hours

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Item	Maintenance Requirement	Interval
Chapter 32 - Landing Gear		
Main-Gear Shock-Strut Attachment-Bolts	Replace (discard)	10000 landings or 7 years (whichever comes first)
Tail-Gear Attachment-Bolts	Replace (discard)	10000 landings or 7 years (whichever comes first)
Chapter 35 - Oxygen		
Oxygen Cylinder (if installed)	Overhaul and send to an authorized facility for hydrostatic test	5 years
Chapter 57 - Wings		
Wing Attachment Bolts	Replace (discard)	7000 flying hours or 14 years (whichever comes first)
Wing-Strut Attachment-Bolts	Replace (discard)	7000 flying hours or 14 years (whichever comes first)
Chapter 77 - Engine Indicating		
Deleted		

Approved by:

EUROPEAN AVIATION SAFETY AGENCY (EASA)

EASA Approval No:

Approval Date:

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