

PC-7 Mk II **MAINTENANCE MANUAL**

GENERIC AIRWORTHINESS LIMITATIONS

1. Effectivity

Task effectivity is shown by the letter in the Code column of the Airworthiness Limitations table. The aircraft effectivity for each code letter is given in the Effectivity table below.

EFFECTIVITY	
Code	Effectivity by Manufacturer's Serial Number
X	ALL
V	608-616 (Mal (series I))
V1	601-604 (Bru)
V2	675-684 (Mal (series II))
V3	608-616, 675-684 (Mal (series I-II))
V4	601-604, 608-616 (Mal (series I) - Bru)

2. Airworthiness Limitations

Task No.	Code	Task	Frequency
00006	X	Aircraft - General Aircraft life.	10000 flying hours or 20000 landings.
25204	X	Emergency Oxygen Cylinder (Ejection Seat) Remove for overhaul (Ref. 25-10-07, Page Block 401).	5 years.
28106	X	Aerobatic Fuel Tank Replace clamp (Ref. CMM 02082, 28-10-01, Page Block 7001).	6000 flying hours.
32108	X	Main Landing Gear Support Strut. Examine. (Not Applicable if P/N 532.10.09.128 is installed), (Ref. 32-10-02, Page Block 601).	6 months.
35301	V1	Oxygen Cylinder Replace (maximum life) (Ref. 35-10-02, Page Block 401).	15 years.
35304	V1	Oxygen Cylinder Remove for hydrostatic test (Ref. 35-10-02, Page Block 401).	5 years.

EFFECTIVITY: All

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Task No.	Code	Task	Frequency
53010	V4	Frame 3C to Longeron Connecting Bracket (Pre SB 53-006) Examine (ejection seats, cockpit floor and side panels removed) (Ref. 53-10-03, Page Block 601).	2 years.
53011	X	Longerons For aircraft older than 5 years, do a borescope inspection. (Ref. 53-10-05, Page Block 601).	At the next annual inspection then every 2 years.
53602	V4	Top Skin Slot at Frame 9 (not applicable if reinforcing doubler P/N: 553.30.09.394 has been installed). Examine (Ref. 53-10-02, Page Block 601).	First at 2600 flying hours, then every 1200 flying hours.
53604	V4	Fin Connecting Strap at Frame 9 Replace (Ref. SRM 53-10-00, Page Block 201).	5000 flying hours.
53608	X	Top Skin 60mm Access Hole Examine (Applicable even if reinforcing doublers P/N 553.30.09.401 and 553.30.09.402 have been installed).	5000 flying hours.
53609	X	Frame 8, 9 and 10 For all aircraft with more than 5000 flying hours: Examine with a borescope. (Ref. 53-10-06, Page Block 601).	3600 flying hours.
55101	X	Horizontal Stabilizer Installation Bolts Replace (maximum life) (Ref. 55-10-00, Page Block 401).	5000 flying hours.
55102		Deleted	
55304		Deleted	
55401	V4	Rudder Skin between Ribs 4 and 6 (only for rudders that do not have cracks, Ref. 55-40-00, Page Block 601) Examine (Ref. 55-40-00, Page Block 601).	300 flying hours or 12 months.
55402	V4	Rudder Skin between Ribs 4 and 6 (only for rudders that have cracks in limits, Ref. 55-40-00, Page Block 601) Examine (Ref. 55-40-00, Page Block 601).	Weekly.

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Task No.	Code	Task	Frequency
55505	V4	Vertical and Horizontal Stabilizers Spar Flanges Examine for corrosion (Ref. 55-05-00, Page Block 601).	300 flying hours or 12 months.
55506	V2	Horizontal Stabilizer Spar Flanges (Replaces task 55505 for MSN 675 thru 684) Examine for corrosion (Ref. 55-05-00, Page Block 601).	300 flying hours or 12 months.
57003	X	Wing Installation Nuts and Bolts Replace (maximum life) (Ref. 57-10-00, Page Block 401).	5000 flying hours.
57011	X	Center Wing - Nose Skin Examine (Ref. 57-10-01, Page Block 601).	300 flying hours.
57013	X	Outer aileron bracket unless modification SB 57-012 implemented or material of bracket identified as AA2124-T851 during inspection SB 57-011. Do an Eddy Current inspection of the outer aileron bracket. (Ref. 57-21-00, Page Block 601).	150 hours.
57402	V4	Main Landing Gear Front Attachment Brackets, P/N 111.34.07.105 and 111.34.07.106, Pre SB 57-008 or Post SB 57-008 but with cracks in limits (Ref. 57-10-08, Page Block 601) Do an impedance-plane eddy-current inspection (Ref. 57-10-08, Page Block 601).	Initial inspection at 3000 flying hours or 10 years in service, then every 12 months.
57403	V4	Aft Dihedral Fittings Do an impedance-plane eddy-current inspection and repair if applicable (Ref. 57-10-06, Page Block 601).	At 3000 flying hours or 10 years in service.
57405	V4	Aft Dihedral Fittings, P/N 111.34.07.469 and 111.34.07.470, which have been inspected and found to have cracks in limits (Ref. 57-10-06, Page Block 601) Do an impedance-plane eddy-current inspection (Ref. 57-10-06, Page Block 601).	Every 1 year after initial inspection.

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Task No.	Code	Task	Frequency
57406	V4	Forward Dihedral Fittings Do a radiographic inspection (Ref. 57-10-06, Page Block 601).	At 3000 flying hours or 10 years in service.
57610	V1	Diagonal Auxiliary Spar and Middle Rib Connection Examine (Ref. 57-10-04, Page Block 601).	First 2000 flying hours. Then every 250 flying hours.
61107	X	Propeller Blades Replace (maximum life) (Ref. Hartzell Manual 142).	11500 flying hours.
71014	X	Engine Rotor Components Replace (maximum life).	Ref. P&WC SB 1402.
71202	X	Engine Tubular Mounting Frame Nuts and Bolts Replace (maximum life) (Ref. 71-20-01, Page Block 401).	5000 flying hours.
71209	X	Engine Tubular Mounting Frame Attachment Fittings Examine for corrosion and cracks (Ref. 71-20-01, Page Block 601). Send the results to Pilatus.	5 years.

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