

# PILATUS PC9 MAINTENANCE MANUAL

## 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
A	ALL
B	501-567.
B1	102, 104-106, 186-188, 107, 167, 183, 108-114, 121-143, 119-120, 178, 213-216, 221-224, 225-244, 177, 115-118, 101, 144-163, 164-166, 168-171, 173, 176, 174-175, 180-182, 192-211, 217-219, 245-247.
F	001-188.

### 2. Airworthiness Limitations

Task No.	Code	Task	Frequency
00006	A	Aircraft - General  Aircraft life.	10000 flying hours or 20000 landings.
25204	A	Emergency Oxygen Cylinder (Ejection Seat)  Remove for overhaul (Ref. 25-10-09, Page Block 401).	5 years.
28106	A	Aerobatics Fuel Tank  Replace clamp (Ref. CMM 02082 28-10-01, Page Block 7001.)	6000 Flying hours
32107	F	Main Landing Gear Legs (MSN 001 thru 188, pre SB 32-004 and for Leg Housings not repaired in accordance with SB 32-003 or CMM No. 02070. Repaired Housings have to be examined in accordance with the intervals provided by Pilatus Aircraft Ltd. after repair was performed, Ref. CMM 32-10-04)  Remove for housing examination (Ref. 32-10-01, Page Block 401 and CMM No. 02070, 32-10-04).	2000 landings.
32108	A	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.

**EFFECTIVITY:** All

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Task No.	Code	Task	Frequency
35301	B1	Oxygen Cylinder  Replace (maximum life) (Ref. 35-10-02, Page Block 401).	15 years.
35302	B	Oxygen Cylinder P/N 897-18050 (if installed)  Replace (maximum life) (Ref. 35-10-02, Page Block 401).	15 years.
35303	B	Oxygen Cylinder P/N 6350-A25-WWC (if installed)  Replace (maximum life) (Ref. 35-10-02, Page Block 401).	24 years or 4380 cycles.
35304	A	Oxygen Cylinder  Remove for hydrostatic test (Ref. 35-10-02, Page Block 401).	5 years.
35305	B	Oxygen Cylinder P/N 6350-A25-WWC (if installed)  Remove for hydrostatic test (Ref. 35-10-02, Page Block 401).	3 years
53011	A	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.
53101	A	Frame 3C to Longeron Connecting Bracket (Pre SB 53-007)  Examine (ejection seats, cockpit floor and side panels removed) (Ref. 53-10-03, Page Block 601).	2 years.
53601	A	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 2800 flying hours, then every 1300 flying hours.
53604	A	Fin Connecting Strap at Frame 9  Replace (Ref. SRM 53-10-00, Page Block 201).	5000 flying hours.

EFFECTIVITY: All

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Task No.	Code	Task	Frequency
53609	A	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.
53608	A	Top Skin 60MM Access Hole  Examine (Applicable even if reinforcing doubler P/N 553.30.09 401 and 553.30.09.402 have been installed).	5000 flying hours.
55101	A	Horizontal Stabilizer Installation Bolts  Replace (maximum life) (Ref. 55-10-00, Page Block 401).	5000 flying hours.
55102		Deleted.	
55304		Deleted.	
55401	A	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	A	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.
55505	A	Vertical and Horizontal Stabilizers Spar Flanges  Examine for corrosion (Ref. 55-05-00, Page Block 601).	300 flying hours or 12 months.
57003	A	Wing Installation Nuts and Bolts  Replace (maximum life) (Ref. 57-10-00, Page Block 401).	5000 flying hours.
57011	A	Center Wing - Nose Skin  Examine (Ref. 57-10-06, Page Block 601).	300 flying hours.
57012	A	Outer aileron bracket unless modification SB 57-017 implemented or material of bracket identified as AA2124-T851 during inspection SB 57-016.  Do an Eddy Current inspection of the outer aileron bracket. (Ref. 57-21-00, Page Block 601).	150 hours.

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Task No.	Code	Task	Frequency
57401	A	Main Landing Gear Front Attachment Brackets, P/N 111.34.07.105 and 111.34.07.106, pre SB 57-011 or post SB 57-011 but with cracks in limits (Ref. 57-10-01, Page Block 601)  Do an impedance-plane eddy-current inspection (Ref. 57-10-01, Page Block 601).	Initial inspection at 3000 flying hours or 10 years in service, then every 12 months.
57403	A	Aft Dihedral Fittings  Do an impedance-plane eddy-current inspection and repair if applicable (Ref. 57-10-02, Page Block 601).	At 3000 flying hours or 10 years in service.
57404	A	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. SB 57-004 or 57-10-02, Page Block 601)  Do an impedance-plane eddy-current inspection (Ref. 57-10-02, Page Block 601).	Every 1 year after initial inspection.
57406	A	Forward Dihedral Fittings  Do a radiographic inspection (Ref. 57-10-02, Page Block 601).	At 3000 flying hours or 10 years in service.
57610	A	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	A	Propeller Blades  Replace (maximum life) (Ref. Hartzell Manual 142).	11500 flying hours.
71013	A	Engine Rotor Components  Replace (maximum life).	Ref. P&WC SB 13002.
71202	A	Engine Tubular Mounting Frame Nuts and Bolts  Replace (maximum life) (Ref. 71-20-01, Page Block 401).	5000 flying hours.
71209	A	Engine Tubular Mounting Frame Attachment Fittings.  Examine for corrosion and cracks. (Ref. 71-20-01, Page Block 601). Results of inspection are to be sent to Pilatus.	5 years

**EFFECTIVITY:** All

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