

**≡PILATUS≡**  
**PC-7**  
**MAINTENANCE MANUAL**

**LIFED AND OVERHAULED COMPONENTS**

Component	Maximum Life	Overhaul Interval
<b>Chapter 24 - Electrical Power</b> Starter/Generator		1000 flying hours
<b>Chapter 25 - Equipment and Furnishings</b> First aid kit Fire extinguisher ELT battery (if installed) Seat harness Parachute	1 year 2 years After one hour of total use or as shown on the battery label 10 years total 15 years	180 days
<b>Chapter 27 - Flight Controls</b> Aileron Outboard Control-Rod (LH and RH) P/N 116.35.07.272 Examine with a borescope (Ref. 27-10-04, Page Block 601) Elevator Forward Control-Rod Assy P/N 116.35.07.270 Examine with a borescope (Ref. 27-30-06, Page Block 601) Elevator Center Control-Rod Assy P/N 116.35.07.345 Examine with a borescope (Ref. 27-30-05, Page Block 601) Elevator Rear Control-Rod Assy P/N 116.35.07.269 Examine with a borescope (Ref. 27-30-07, Page Block 601) Flap pivot arm assembly Examine (Ref. 27-50-00, Page Block 601)		2 years 2 years 2 years 2 years Threshold inspection at 30 April 2021 if installed before 30 April 2016, then every 5 years. 5 years if installed after 29 April 2016.
<b>Chapter 28 - Fuel</b> Engine driven pump Center tank Flexible hoses (Pt Nos. 115.55 07.137, 140, 143 and 146)	6000 flying hours or 14 years whichever comes first 5 years	3500 flying hours

**EFFECTIVITY:** All

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<b>Chapter 31 - Indicating / Recording</b> Aircraft clock battery (If installed)	75 days with no aircraft battery power connected	
<b>Chapter 32 - Landing Gear</b> Main landing gear legs Nose landing gear leg Main landing gear screw actuators Nose landing gear screw actuator Landing gear rotary actuator, AR00502 (Part No. 978.71.11.105, 532.30.07.036 & 111.48.07.260) Landing gear rotary actuator, AR00501 (Part No. 978.71.11.103, 978.71.11.104 & 111.48.07.232)  Universal ball joints (Qty 6) (Pre SB 32-009 only) Brake master cylinder Brake fluid reservoir bellows Brake units	1500 landing gear cycles         1000 flying hours or 3 years	5000 landings 5000 landings 6000 landing gear cycles 6000 landing gear cycles 12000 landing gear cycles (send all rotary actuators to Pilatus Aircraft Ltd for overhaul) 3500 flying hours or 7000 landing gear cycles (send all rotary actuators to Pilatus Aircraft Ltd for overhaul)   3000 flying hours  Overhaul when brake linings are worn beyond limits. (Ref. BF Goodrich CMM, Chap 32)
<b>Chapter 35 - Oxygen</b> Oxygen cylinder and pressure reducer Regulator panels Flexible hoses	15 years (Only if Part No. EROS GCD 1411 is installed)  4 years	5 years (hydrostatic test) 5 years
<b>Chapter 53 - Fuselage</b> Vertical stabilizer Examine the internal structure with a borescope (Ref. 53-20-01, Page Block 601) Center Fuel Tank Support-Bracket P/Ns 112.35.07.766 and 112.35.07.796 Examine (Ref. 53-10-02, Page Block 601) Frame 3 Pick-Up Brackets P/Ns 112.35.07.009 and 112.35.07.010 Examine with a borescope (Ref. 53-10-04, Page Block 601)		2 years  2 years  2 years

**EFFECTIVITY:** All