

Ben's Motorworks

AIRFRAME

100 W. Commonwealth Ave Hanger D28 Fullerton Ca 92833 714-396-0090

DATE	7/1/2023	N#	N503JA	A/C TT	3849.7
MODEL	Piper PA24-260	A/C S/N	24-4165	TACH	3849.7
ANNUAL DUE	Jul-24	Pitot static due		Aug-24	

I certify that this Airframe has been inspected in accordance with a ANNUAL inspection as per Title 14 C.F.R PART 43 APPENDIX (D) in scope and detail and has been found to be in airworthy condition at this time for return to service

DESCRIPTION OF WORK

Removed all inspection panels, Seats and interior. Inspected and lubricated the aircraft IAW the maintenance manual
 Replaced the vacuum relife filter with new RAB-3-5-1. Replaced incorrect seat stops with new correct seat stops PN 18842-000 qty 2, 18318-000 qty 1, 1882-002 qty 2. Replaced several pulleys and springs in the flap system. PN's U41001-008 qty 6, 487-291 spring qty 2, 487-347 spring qty 2, 83302-054 spring qty 2. PN 22793-000 pulley qty 1. Re rig the flap system.
 Replace the aileron rod ends with new 452-860. Re sealed the LH main strut with seal kit. Replaced the landing gear bungies with new W31322-007. Replaced the torque link bushings on the LH main gear with new. W20737-002 bushing, An175-34, AN175-33, AN175-32, AN174-13-59. Replaced the nose gear steering rod bushings and pivot bushings PN17976-017, 21831-002, 14976-012, 14175-113, 14976-011. Removed both main gear retract arm assemblies and pivot pin housing.
 Measured all bushings and replaced worn parts as follows. 20737-008 bushing qty 4, 14843-016 bushing qty 8, 20737-014, side stud bushing qty 2, 20737-013 side stud bushing qty 2. 14843-060 Side stud bushing qty 4, 487-634 side stud qty 2, 460-687 grease fitting qty 2. 14843-030 bushing side stud qty 2, AN4-23A qty an26-25 Clevis bolt qty 2. Side Studs and bushings replaced IAW AD 97-01-01, Main gear retract arms inspected IAW AD 77-13-21. Reinstalled the main gear retract arm assembled and side stud housings. Removed the nose gear retract arm inspected IAW AD 77-13-21. Replaced the following parts. AN6-42 bolt qty 1, AN6-34 bolt qty 1, AN6-26 bolt qty 1, AN6-2 Bolt Qty 1. W14843-019 bushing qty 2, W14843-018 bushing qty 7. Reinstall nose gear retract arm assembly. Serviced the struts with fluid and air. Rigged the landing gear IAW the maintenance manual. Removed the cabin door. Replaced the upper hinge PN W20629-00, acentric cams ON 21741-000 and hinge pins. Also installed webOS double kit for the lower door hinge reinforcement. Replaced the Gear leg brake hoses with new AE3663231E0376 qty 2, Replaced the brake pads PN 66-105, Replaced the brake hoses at the caliper PN AE3663231E0102, AE3663231E0116, Re sealed the Pilots master cylinders. Bled and flushed the brake system. Made new oil pressure flexible line in the engine compartment. Weighed the aircraft. New empty weight is 1,837 lbs with a CG of 85.45 and a moment of 156,967.30.

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