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THE OO MAINTENANCE MAINTENANCE RECORD KEEPING RECORD SYSTEM



AVIONICS MAINTENANCE RECORDS

Page	No.	
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DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Date: 12/1	7/2024; Aircrat	ft: N210DF; Type: F	IXED WING SNGL-ENG; S/N: T210-0397; Hobbs: 179.10; Tach: 106.10;
Interfaced Display Ins Interconne 275 STC I	wiring from the stallation Manu ct, Page 295. nstallation Mar ADI per the G	ual pn. 600-00299-0 Enabled Synthetic \ nual pn. 190-02246-	275 ADI and configured ports per the Avidyne IFD 550 Integrated Flight 00, Rev 25, dated 02/10/23, Appendix D, Figure D-70: Garmin GI-275 //ision Terrain (SVT) pn. 006-D7986-00 at the GI 275 ADI per the Garmin GI -10, Rev 19, dated May 2024, Section 5.4.1, page 5-11. Loaded databases at Installation Manual pn. 190-02246-10, Rev 19, dated May 2024, Section 5.15,
All work ar			eted IAW manufacturer's installation data and applicable sections and
mutual inte	erference or pe	unctionally and oper erformance degrada ist was revised.	rationally checked and found to perform their intended functions. There was no ation of systems. Weight and balance was recomputed and aircraft records
at this repa	air station und	er SO #14769	s aircraft is approved for return to service. Details of this installation are on file
		Date:	<u> </u>
F.A.A. Ce Glacier Pa	untain Aircraft rtified Repair S ark Internation Montana, 5990	Station #7RKR476D al Airport	
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Till For room took out of took	Date: 7/30/202 Time: 7406.00 Found yellow a outed wires fro oggle set to di 002 Rev 0. Al outer knob. Sy 000 AeroVue 1 lated July 201 004736-058. Good Rev. AG. S-TEC Corporation Of Stallation Insurabled an S-Corporation Of System 55X A proken wires a 500840-00005 Re-plumb pito eak test IAW heir intended was recomput With respect to at this repair so Signed: 11/07/2 Total Time: 7 Removed Ki
Si	Date: 11/07/2
Si	Date: 11/07/2
	Total Time: 7
Chr.	KMG7010-59 Touch AML S Rev M S/N 1 P/N 8900002 S/N1907PL2 and retermin part 23 aml S System chec Rev 0. Insta backup attic compass cal 02246-10 Re Replaced tai Work perfor performed th under SO-14
	Signed: 🎉
-	F.A.A. Certifi Glacier Park Kalispell, Mo

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			Depot Avionics, Inc., 2550 State Avenue , Alamosa CO 81101
	William.		: 05-02-2024 Logbook: Airframe Tail Number: N210DF Work Order: 4212
		Та	ch/Hobbs: /134.7 Aircraft Total Time: Model: T210J Serial: T210-0397
		Repairs / Ma	aintenance
	100		Magnetometers from left and right wings to right wing tip area as a minor change to tallation IAW BendixKing KFD 900 Aerovue Touch Primary Flight Display System AML
Andrews white			istallation Manual, doc # 8900009-002, Rev 0, dated July 3, 2019. Installed both
		KMG-7	7010 magnetometers on custom bracket mounted on wing outside rib. Added back
	Charles Control		to existing KMG-71 ADAHRS units. Leveled system and magnetometers and
			sfully swung Aerovue Touch systems (pilot and Co-Pilot). Reset Pilot PFD settings for V-Speeds and dimmers. Reset CoPilot PFD for the same, however noted that config
			e would not accept updates. May need new config module at later date. Pilot PFD
			+1 deg North, +4 deg. East, +1 deg South, and +5 deg West, compared to calibrated
		sight c	ompass. Co-Pilot PFD shows -5 deg North, -2 deg. East, -8 deg South, and +1 deg
			compared to calibrated sight compass. Both are within the 9 degrees acceptable per
			C documents. May show better in flight once GPS aiding is involved. System ground
	and the second		ed correctly, needs flight check. ed W31M-20 Circuit breaker switch in left side of Pilot's panel and connected between
			t Master and PFD power busses with existing wire to control power for PFD system as
7.56			or change to the STC installation of the Aerovue system. System ops checked correctly.
			ed spike eater (snubber) diodes on Aircraft Starter Solenoid and misc solenoid
		mount	ed on firewall. Aircraft power and starter systems ops checked correctly.
	\ \ \ \ \		de la Maria de la Colonia de Maria de la Roya
			ed new Oplite Maplight 6, Dual Color LED Cockpit Maplights in the A-Pillar covers, IAW ne Inc. Doc. 27, Rev 5, 9-15-2014. Installed MaxDim Mini Dual p/n 9100-001-F dimmer
- Escaperation	Company of the Compan		PQ2574NM, IAW Seaton Engineering MaxDim Installation Instructions Document
			13 Rev A 12/20/19, Utilized Tefzel wire and connected to MapLights with a toggle
	- 1752 D. W.X.Z	switch	installed in each door post to select Red or White Light, and using new 7277-2-5,
			R LIGHTS" Circuit breaker. System ops checked correctly. Inner knob controls Left
X.			ght and outer knob controls the right Map Light. This system is installed as a minor
			e for this non-required/non-interference system. Lighting system ops checked correctly, yed and replaced blue LED light strip in Glareshield with owner supplied FAA PMA
			or Panel Technology White LED White Light Strip IAW SPTLEDS Installation Manual
			PTLEDS Rev C, 20-04-14. Under Glareshield LED lighting ops checked correctly,
			gh does not attain full brightness. Glareshield DIMMER system will need repair at later
			get full brightness from this system.
			ation Practices followed include: AC43.13-1B paragraphs 7-34(hardware used
	15-16-510		ms to proper type for the uses intended), 11-30(within load limits, per 11-36), 11-31,
			11-96 and 11-100 and 11-103(as applicable), 11-115, 12-1(a, b, c). And AC43.13-2B aphs 106, 108, 110, 111, 112, 113, 202, 203b, 203c, 203e (UTILIZED AN
	A CONTRACTOR OF THE CONTRACTOR		WARE), 205, 207 a, b, c, d, e, f, g. W&B change negligible.
		T	
			escribed on the above work order was performed in accordance with current of the FEDERAL AVIATION AGENCY. It is airworthy and is APPROVED FOR RETUR
	1 (C)	to service.	of the FEDERAL AVIATION AGENCY. It is all worthly and is AFFROVED FOR RETUR
		to service.	
		Certificate:	GM6R566N Authorized RTS Technician:Mark Colman
		Cinna /	10-4 - 05 00 0004
A Mariana		Sign:	Date: 05-02-2024
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DATE	AIRFRAME TIME IN SERVICE		AVIONICS TIME IN SERVICE DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK					
	ſ	w	o: WO_KGXY-I	N210DF-807 Airframe · page	e 1 of 1			
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				AMPLE CONTROL OF THE PROPERTY				
			Advanced Ae	rotechnologies Group · 631 Buss Avenue · Greeley, CO 80631 · 970-373-3295 · CRS#: 270D1	57C			
			210DF ACH: 7342.6	CESSNA, T210J, S/N: T210-0397 March 05, 2	024			
	AL.	Wir gra IFD disp wiri tery rivr	red IFD 550 amming of the 550 to accessolayed ADSB ing needed to with new Galacts on Copile	and IFD 440 to the existing FDL-978-RX ADSB receiver. Performed post installation FDL-978-RX per the Free Flight instructions. Needed to add the expansion connectes the extra RS232 ports to allow for connection to the FDL-978. IFD and EFIS systemather and traffic. Troubleshot PFD #2 power issues and found new power and grobe installed. Installed new wiring and PFD #2 powers on normally. Replaced faulty A-35AC battery system ops checked good and alternator charged normally. Installed to panel to replace faulty press nuts for Copilot EFIS display. Recalibrated the AHIFD 550 AHRS. All pitch/roll offsets accurately depict each other. Reprogrammed set	or the stems round y bat- d new RS 1,			
	in half	AHRS 2, and IFD 550 AHRS. All pitch/roll offsets accurately depict each other. Reprogrammed several settings on the IFD 550 to provide proper display and data that was inaccurate and/or missing.						
_		0-	47	1- Cil				
1	-	Ge	orge Alkens A	Airframe 2732175	-			
	1		1	200 000				
				Depot Avionics, Inc., 2550 State Avenue , Alamosa CO 81101 Date: 04-10-2024 Logbook: Airframe Tail Number: N210DF Work Order: 4205				
-				Tach/Hobbs: /118.8 Aircraft Total Time: Model: T210J Serial: T210-0397	-			
	R	epair	s / Maintenance		<u> </u>			
		 Inspected system. Added dimmer connection at KSD-100 displays (pilot and copilot) to system power, and setup system to send lighting to both KCP-100 dials. Moved Power from Avionics Master buss to Aircraft Master Power buss per STC requirements. Jacked aircraft and leveled both KCP-71 ADAHRS systems (and GI-275 ADAHRS and IFD-550 systems) to show aircraft level attitude displays. Removed Magnetic screws from around KMG 7010 systems, and degaussed surrounding areas to attempt to calibrate compass systems. Compass system calibration of AeroView Touch system impossible in current location of KMG-7010 magnetometers. See new work order for moving magnetometers to new location. Noted that aircraft solenoids are causing voltage spikes to AeroView systems. Will install new snubber diodes to aircraft systems at later date. Swung Compass and provided a new Compass Correction Card IAW AC43.13-1B 12-37. Applied new information to existing compass correction tag. Inspected Nav antenna system, found dual diplexer connected to far-left Com antenna rather than Nav antenna. Connected to Nav antenna system, and nav systems ops checked correctly with SDR-Omni Test set. Ran com antenna with extension cable for use with portable Com radio, Coax is on left edge of panel above the left kick panel. Autopilot Computer, p/n 01192-0-4, s/n 0730-12589, is repairable at Minor level repair rate of \$1775 for the display backlight inop, fault, I called and it is a 2007 model, and not covered under warranty. Gained access to aft section of aircraft via Main Gear rear dose out panel. Installed replacement static line (old lines were deteriorated and missing) from S-TEC static ports to Autopilot transducer. Installed in-line fuses for GEA-24 EIS monitoring of Alternator current at alternator shunt. EIS system ground checked correctly. Removed Garmin GI-275 Base unit from left side of panel and installed in lower right side of pilot's instrument panel as a						
all or to		he wo	rk described on	MK-620 cover plate in remaining instrument hold in left side of panel. System ground checked correct the above work order was performed in accordance with current regulations of the FEDERAL AVIATION AND AVIATION A				
7				Authorized RTS Technician:Mark Colman				
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