THE SIGNATURE AIRCRAFT MAINTENANCE MAINTENANCE RECORDKEEPING RECORDKEEPING SYSTEM

AIRFRAME MAINTENANCE RECORDS



AIRFRAME MAINTENANCE RECORDS

				Log No	A
Aircraft Regis	stration No	V4455			
Aircraft Mfg. The Lancair Ca	Model <u>LC41</u> -	950 FG	Serial No	41048	
Engine Mfg. Continental Engine Mfg.					
Propeller Mfg. Wartzell Hub Design No. Blade Design No.		Hub Serial No.	Serial No	768	
Propeller Mfg.			KOE	8847 8852	
Hub Design No		Hub Serial N	0		

(All applicable information must be filled in)



AEROTECH PUBLICATIONS ING.

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK					
		TOTAL broa	ught forward from previous page					
12-10-04			The altimeter P/N 5934PAD3-A609, S/N 441458 The Trans-Cal SSD120-30A-RS232A, S/N SRA 9777 altitude reporting equipment, and the pitot /static systems were tested as required by FAR 91.411, Lancair Document SC240001 Rev B, and was found to comply with FAR part 43 Appendix E. A static system leak test has been performed, and was found to comply with FAR 23.1325.					
12-21-04	2.9	2.9	This aircraft was manufactured under FAA Production Certificate 719NM to Type Certificate Data Sheet A00003SE Revision 12. The following items were incorporated at the time of manufacture; Teledyne Continental TSIO-550C Engine serial number 914305 Production flight testing has been completed pursuant to Lancair Document QC900001 Revision A check of Airworthiness Directives complied with using Bi-Weekly 2004- 25 . A Standard Airworthiness Certificate is applied for on this date.					
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			N4455 Hobbs: 60.1 Date: 07-26-2005 W.O. 2564 Airframe log 1. Comply with Columbia SB-04-003A, Fuel selector knob inspection. 2. Comply with Columbia SB-05-006A, Heat shield modification. 3. Comply with Columbia SL-05-001A, Installation of Ryan TCAD 9900B. I certify this Aircraft is returned to service with respect to the work Performed stated above. N4455 Hobbs: 72.3 Date: 09-16-2005 W.O. 9399 Airframe log 1. Remove and replace both Aircraft batteries with new, RG1215. I certify this Aircraft is returned to service with respect to the work Performed stated above. A4P 30-1107-8
			N4455 Hobbs: 74.7 Date: 11-08-2005 W.O. 681 Airframe log 1. Comply with Columbia SB-05-012, Throttie lever arm torque inspection. I certify this Aircraft is returned to service with respect to the work Performed stated above.
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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			CARMA
			1. Complied with an Annual Inspection in accordance with Columbia service manual and FAR part 43. 2. ELT inspected I/A/W FAR 91.207(d) and found airworthy, ELT Battery next due 10/06. 3. Complied with Columbia Service bulletin SB-05-012, Throttle Lever arm inspection. 4. Replaced left main tire with new Goodyear Flight Custom III and tube. 5. Replaced nose strut assy. With exchange unit from Columbia due to Corrosion at lower flange.
			I certify this Aircraft was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. APRICA
			N4455 Hobbs: 86.7 Date: 04-05-2006 W.O. 4731 Airframe log
			1. R&R No. 2 CHT probe with new. I certify this Aircraft is returned to service with respect to the work Performed stated above.
			N4455 Hobbs: 86.7 Date: 04-05-2006 W.O. 2677 Airframe log
			2. Comply with Columbia SB-06-001, P-lead inspection. 3. Comply with Columbia SB-06-004, Mixture lever arm torque inspection. 4. R&R Ryan TCAD for repair by Ryan. I certify this Aircraft is returned to service with respect to the work Performed stated above.
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	N4455 Hobbs: 130.2 Date: 07-13-2006 W.O. 9527 Airframe log 1. Install Avidyne MFD upgrade 6.1. I certify this Aircraft is returned to service with respect to the work Performed stated above. ASP 3041078						
-	N4455 Hobbs: 153.2 Date: 11-09-2006 W.O. 4735 Airframe log 1. R&R No. 5 CHT probe and No. 2 EGT probe with new. I certify this Aircraft is returned to service with respect to the work Performed stated above. ACC 3041078						
	N4455 Hobbs: 161.5 Date: 02-14-2007 W.O. 9608 Airframe Log 1. Complied with an Annual inspection in accordance with Columbia service manual and Far part 43. 2. ELT inspected in accordance with FAR 91.207(d) and found airworthy, ELT battery replaced, next due 12/08. 3. Complied with Columbia S.B, SB-06-006, P7-J7 wire relocation. 4. Complied with Columbia S.B, SB-06-002C, Elevator torque tube. 5. Complied with Columbia S.B, SB-05-013A, Oil cooler baffle. 6. Complied with Avidyne S.B, 601-00004-074, MFD 6 2.1 upgrade. 7. R&R right main tire with new Goodyear Flt Cus III and flightmate tube. 8. Replaced all braked pads with new, and one insulator. 9. Replaced induction air filter with new. 9. Gentify this diveraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.						
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK				
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			N4455 Hobbs: 235.8 Date: 03-01-2009 W.O. 9773 Airframe Log				
			 Complied with an Annual inspection in accordance with Cessna service manual and FAR part 43. ELT inspected in accordance with FAR 91.207(d) and found airworthy, ELT battery next due 08/2011. Complied with AD 2007-07-06 R1, FOD inspection of aileron and elevator controls, none found. Due again @ hobbs: 335.8 Complied with SB-06-002E, Elevator torque tube. Verified previously compied on 06-01-2005. In reference to AMOC 100S-GA-09-2, the life limit of the torque tube no longer applies. Installed Artex ME406 ELT, P/N 455-6605. Code: ADCC400484002F1. Replaced O2 filler port with new. Service O2. Replaced Alternate air cable with new. J certify this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. 				
	•		N4455 Hobbs: 274.7 Date: 05/08/2010 W.O. 9859 Airframe Log				
			 Complied with an Annual inspection in accordance with Cessna service manual and FAR part 43. ELT inspected in accordance with FAR 91.207(d) and found airworthy, ELT battery next due 12/13. Complied with AD 2007-07-06 R1, FOD inspection of aileron and elevator controls, none found. Due again @ Hobbs: 374.7. Complied with SB08-32-01, Gear leg fairing chafing. Complied with SB09-53-01, Forward floor gusset installation. Complied with speedbrake inspaction and lube. Replaced Induction Air filter with new. R&R oxygen bottles for hyrostatic testing. Service O2 to 1800 psi. Gentify this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. 				
)	SUB-TOTAL TOTAL—Ca	1. Complied with service bulletin SB09-27-01R3 by installing kit MK400-27-01. J certify this Aircraft is returned to service with respect to the work Performed stated above.				

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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			1. Complied with an Annual inspection in accordance with Cessna service manual and FAR part 43. 2. ELT inspected in accordance with FAR 91.207(d) and found airworthy, ELT battery next due 12/13. 3. Complied with AD 2007-07-06 R1, FOD inspection of aileron and elevator controls, none found. Due again @ Hobbs: 416.3. 4. Complied with SB10-27-03, Rudder tube clamp mod. 5. Complied with SB10-24-01, No 2 alternator installation inspection. 6. Complied with SB10-55-01, Horz stab tube inspection/repair. 7. Complied with SB11-32-01, MLG axle block fastner. 8. Complied with SB11-24-01/MK400-24-01, Power grid modification. 9. Replaced Induction filter with new. 10. Replaced brake pads with new and condition. 11. Install new left MLG fairing. 3 certify this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.
			A&P 3041078 TA
	Jenual 1		N4455 Hobbs: 207.9 Date: 04/04/2008 W.O. 9715 Airframe Log
	See A		1. Complied with an Annual inspection in accordance with Cessna service manual and FAR part 43. 2. ELT inspected in accordance with FAR 91.207(d) and found airworthy, ELT battery next due 12/08. 3. ELT replaced with new ME-406. 4. Complied with AD 2007-07-06 R1, FOD inspection of aileron and elevator controls, none found. Due again @ Hobbs: 307.9. 5. Complied with SL-06-004, NLG hardware replacement. 6. Complied with SB-07-009A, Rear seat back bushing installation. 7. Complied with SB-07-002, Linear bearing inspection. 8. Complied with SB-06-003, Aileron mass balance weight replacement.
			8. Complied with SB-06-003, Aileron mass balance weight replacement. 9. Complied with SB-07-005A, MLG leg bushing replacement. 10. Replaced Induction filter with new. 7 certify this Aircraft has been inspected in accordance with an Annual Frospection and was determined to be in airworthy condition.

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK			
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			N4455 Hobbs: 448.2 Date: 01/02/2018 W.O. 10441 Airframe Log 1. Complied with an Annual inspection in accordance with Cessna service manual and FAR part 43. 2. ELT inspected in accordance with FAR 91.207(d) and found airworthy, ELT battery next due 11/20. 3. Complied with AD 2007-07-06 R1, FOD inspection of aileron and elevator controls, none found. Due again @ Hobbs: 548.2. 4. Replaced Induction filter with new. 5. Replaced left battery with new due to time life. Next due 01/22. 6. Replaced left nav light bulb with new. 7. Service nose strut. 8. C/W 12 month fire extinguisher inspection. I certify this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.			
			CARMA Constantinus Paga on Memora Associa			
			1. Complied with an Annual inspection in accordance with Cessna service manual and FAR part 43. 2. ELT inspected in accordance with FAR 91.207(d) and found airworthy, ELT battery next due 02/2024. 3. Complied with AD 2007-07-06 R1, FOD inspection of aileron and elevator controls, none found. Due again @ Hobbs: 596.1. 4. Replaced Induction filter with new. 5. Replaced right main tire and tube with new Goodyear Flight custom III. 6. Replaced brake discs and all pads with new Cleveland. 7. Replaced left nav light bulb with new. 8. Service Oxygen system. 9. C/W 12 month fire extinguisher inspection.			
			I certify this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.			
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	DATE	MAKE/MO	DEL	HOBBS	REGISTRATION	SERIAL #			
_	22/2020	Lancair/LC41		538.6	N4455	41048			
mour safet Manu	nt. Remov y wired Lh ual RC050	ved and replace I aft engine mo	ed 90-deg ount safe	gree elbow for l ty tab. All work	se wheel axle and no .H co-pilot brake mas performed IAW Land	ster cylinder. Re-			
112/2020	o Hob	Par		nber RG1	ZET & RIGHT 215, Scrial	Numbers are			
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ODEL: LC41-550FG /N: 41048 EG. NO: N4455	10394 N Aen		itions LLC		A/C TSN: 565.7 HOBBS: 565.7		
ORK ORDER:	Hayden, ID 8 Phone: 208 2						
vionics Entrie	s						
			Dual GTN650Xi systems. /AML #SA02019SE-D. Uni				
reakers and are	e interfaced to	Avidyne PFD/MFD	, Autopilot, Audio panel, an	d GTX335 transpond	er.	 	
ight check and	have been place	carded as such. A	antennas. GPS systems ap FMS for the GTN650Xi sys	tems placed into the	aircraft		
OH. ICA for th alance this date		aced into the aircr	aft maintenance records. L	Ipdated aircraft weigh	nt and		
aintenance Relea	ase						
		N4455 was repaired	and inspected in accordance v	vith current FARs rules o	of the Federal		
viation Regulation	ns and was found	Airworthy for return	to service.				
ATE: 12/14/2020	SIC	GNED:	Wall	Work Order	2199-10-2020		
	Jar	mes Walsh AP69604	974IA	Printed by EBis 3 (da	tcomedia.com)		
MAKE: Lancair MODEL: LC41-550F	_G Advanc	ed Avionics Sol	utions LLC		DATE: 12/14/2020 A/C TSN: 565.7		
6/N: 41048 REG. NO: N4455 VORK ORDER:	10394 N Ae				HOBBS: 565.7		
199-10-2020	Hayden, ID Phone: 208						
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k. Tested tran	sponder per FA	AR 91.413. Tested	ude reporting equipment to diall functions. All tests ok.				
	lix E and F this						
1 Altimeter P/N	EKN COOD	2017 766ALAS			11 1 454		
			5 #2 Altimeter P/N <u>5934</u>	PAD-3 S/N 40	11458		
#1 Trans Model#_	GTX 335	S/N 3 EE4364	62#2 Trans Model#	S/N_	11458		V
#1 Trans Model#_ Mode C / Encode	G7X 335 r Model #_ <i>EFO</i>	_sin 3<i>EE43</i>64 SOOO _si n2 40	62#2 Trans Model# 06035 Static System	S/NS/N			
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7/1/2021 N4455 Lancair LC41-550FG S/N: 41048	Page No
Tach: 571.4 AFTT: 571.4	
Annual inspection completed this date. Controls inspected and lubricated as	PERFORMED—
required. ELT ops checked IAW 91.207(d), battery next due February 2026.	RSON PERFORMING WORK
Fuel screens checked ok. Electrical system checked ok. Installed new nav	
light/strope cover right wing tin Landing constability to	
light/strobe cover right wing tip. Landing gear lubricated as required.	
Checked balance nose tire. Installed spiral wrap on brake lines to protect from	
lower gear leg fairing abrasion. Replaced sheared screw left towbar support	
strap at nose fairing. Installed new front alternator belt. Repainted nose	
fairing, nose strut fairing with Crossfire single stage color code 55-216689B	
Urethane, and landing light cover with Prism 3.5 color code 65-4353042.	
Tightened leaking fuel line right wing leading edge. Tightened leaking brake	
line, right landing gear leg at top of leg. Hydro-tested all 3 oxygen bottles	
Norco INC order No. 66417731-00, and reinstalled. Overhauled oxygen	
regulator Precise Flight INC W/O# 115392 dated 07/JUN/2021 and	
reinstalled. Leak checked and serviced system to 1800psi. AD's complied	
with; 2007-07-06R1, see complete compliance listing in logs. I certify this	****
aircraft has been inspected as per an annual inspection and was determined to	
be in airworthy condition. Raymond M. Thomas A&P2742360IA	
1250011	
5/6/2022 N4455 Lancair LC41-550FG S/N: 41048	
Tach: 610.9 AFTT: 610.9	
Annual inspection completed this date. Controls inspected and lubricated as	
required. ELT ops checked IAW 91.207(d), battery next due February 2026.	
Fuel screens checked ok. Electrical system checked ok. Replaced nose wheel	
tire and tube I and in a seen lubricated as required Deiver I let in the interest of the condition and tube I and in a seen lubricated as required Deiver I let in the interest of the condition and tube I and in a seen lubricated as required Deiver I let in the interest of the condition and tube I and in a seen lubricated as required Deiver I let in the interest of the condition and tube I let in the interest of	
tire and tube. Landing gear lubricated as required. Painted chipped paint on	
engine mount as required. Removed CO sensor, sent for overhaul. Serviced	
oxygen system to full. AD's complied with; 2007-07-06R1, see complete	
compliance listing in logs. I certify this aircraft has been inspected as per an	
annual inspection and was determined to be in airworthy condition.	A 11
Raymond M. Thomas A&P2742360IA	
	9
5/19/2022 N4455 Lancair LC41-550FG S/N: 41048	
Tach: 610.9 AFTT: 610.9	3
Re=moved CO detector unit P/N: 452-201-010RX S/N: 85305 for overhaul,	
sent to CO Guardian LLC. Rebuilt W/O# 8260 dated 09/05/2022. Reinstalled	
same unit, ops check ok. Raymond M. Thomas A&P2742360IA	
same unit, ops check ok. Raymond W. Thomas Reci 274250017	
MAKE: Lancair MODEL: LC41-550FG Advanced Avionics Solutions LLC DATE: 1/4/2023	
S/N: 41048 Repair Station No. ADAR984D HOBBS: 649 REG. NO: N4455 10394 N Aero Dr	
WORK ORDER: Hayden, ID 83835 2926-01-2023 Phone: 208 209-7328	
Avionics Entries	
Tested altimeters, Pitot Static Systems, and Altitude reporting equipment to 20,000' per FAR 91.411. All tests ok. Tested	
transponder per FAR 91.413. Tested all functions. All tests ok. Found system to comply with part 43 Appendix E and F this date Updated GTX 335 software per Garmin S.B. #22100 REV A. Main v2.80, Audio v2.52, and GPS v8.2. Updated GTX	
335 AFMS to REV 5. Updated both GTN 650Xi's software per Garmin S.B. #22071 REV A. Main v20.24, WAAS Board v8.2, COM Board v2.02 and	
NAV Board v2.02.	
Updated GTN 650Xi AFMS to REV 5.	
#1 Altimeter P/N EF05000 S/N 22406085 #2 Altimeter P/N 5934 PA D-3 S/N 44 1 458	
#3 Altimeter P/NS/NTrans Model # GTX 335 S/N_3EE426462	
- Mode C / Encoder Model # EF05000 S/N 22406085 Static System -65 Ft/Min	
The aircraft and/or component(s) on N4455 was repaired and/or inspected in accordance with current FARs rules of the	
Federal Aviation Regulations and was found Airworthy for return to service. Work performed IAW Advanced Avionics Solutions Repair Station #ADAR984D.	
Pertinent details of the work performed are on file at this repair station under Work Order No. 2926-01-2023, Dated 1/4/2023.	
DATE: 1/4/2023 SIGNED: J. Let - Work Order: 2926-01-2023	
Tyler Huck Printed by EBis 3 (datcomedia.com)	Lance of S
Certified Repair Station No. ADAR984D	
TOTAL—Carry forward to next page	

	05/00/0000 PLASS I I CAL SSOEC S/N. A1049	Page No									
-	05/09/2023 N4455 Lancair LC41-550FG S/N: 41048										
	Tach: 658.3 AFTT: 658.3	FORMED—									
	Annual inspection completed this date. Controls inspected and lubricated as	N PERFORMING WORK									
	required. ELT ops checked IAW 91.207(d), battery next due February 2026.										
3	required. EL1 ops checked IA w 91.207(d), buttery next due 1 observed ok Wheel										
	Fuel screens and vents checked ok. Electrical system checked ok. Wheel										
	bearings repacked with Aeroshell 22. Brakes inspected. Replaced warm air										
	induction cable P/N: A700-Black. ADs complied with; 2023-05-16										
- /	Counterweights 2007-07-06R1 Linear Bearings, see complete compliance										
	listing in logs. I certify this aircraft has been inspected as per an annual	.2									
_	inspection and was determined to be in airworthy condition.										
	Inspection and was determined to be in an worthy condition.	A STATE OF THE STA									
_	Raymond M. Thomas A&P2742360IA										
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_	40 BBS										
j-	-2-24 HACH 710.3 AF++ 710.3 LUBER CO	owtrois CK ELT IAW									
5	-29 THEH 11013 11111 110.										
	FAR 91.3076D OK BUHTERY	DUE FEBRUARY 2026									
	REPLACED ALL BRAKE PADS. ADO	7-07-06 RI AILERON									
_	KIZO FORCED INTE ISKOPA TE OFFICE OF										
	AND ELEVATOR CONTROL SYSTEMS C/L	BE INSPECTION									
	DUE ALAIN 12 MONTHS AD 23-09-09 E	XHUAUST TAIL PIPE V-BAND									
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	COUPLING Of BE INSPECTION DUE	AGAIN 12months									
┝	COOPLINE GILL OF FILE	-									
	NO OTHER ADS DUE AT THIS TIME I	CERTIFY THIS AIRCRAFT									
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	HAS BEEN INSPECTED JAW AN	ANNUAL INSPECTION									
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	AND FOUND AIRWORTHY. KUND	Clan AP 258357740									
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	CONTROL SYSTEM C/W BY INSPECTION	DUE 176-141W 12 17 MON 145									
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	WITH DNEW RIVETED V-BAND COUPLING	LS. NO OFFICE ALS									
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