

# AIRCRAFT DESCRIPTION

MANUFACTURER HAMMERSMITH LANCAIR ES MODEL LANCAIR ES DATE OF MFG. 12/2004

SERIAL NUMBER ES-191 REGISTRATION NUMBER N411DT vntgl

REGISTERED OWNER KIRK HAMMERSMITH

STREET ADDRESS 63326-3 POWELL BUTTE RD

CITY, STATE, ZIP BEND, OR 97701

OPERATOR \_\_\_\_\_

STREET ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

REGISTERED OWNER \_\_\_\_\_

STREET ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

OPERATOR \_\_\_\_\_

STREET ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

## Inspection Status

[Check one]

F.A.R. 91.409 ANNUAL/100 HOUR

F.A.R. 91.409 PROGRESSIVE

F.A.R. 135.419 A.T.C.O.

OTHER

DATE ENTERED \_\_\_\_\_

MAINTENANCE RESPONSIBILITY

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF  
COMPLETION

AIRCRAFT TIME  
IN SERVICE

DESCRIPTION OF WORK PERFORMED  
OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVICE



2244 Airport Way Redmond, Oregon 97756

Telephone (541) 923-2244 Fax (541) 923-2255 [www.lancair-kits.com](http://www.lancair-kits.com)

I certify I have built this aircraft from Lancair kit components in accordance with the Lancair ES assembly manual.

I have inspected this aircraft in accordance with FAR 43, Appendix D and consider it to be in a condition for safe operation.

*Neil Jensen* / builder  
11.29.04

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2244 Airport Way Redmond, Oregon 97756  
 Telephone (541) 923-2244 Fax (541) 923-2255 www.lancair-kits.com

ELT installed and tested.  
 Battery Due Date MARCH 2006

*Karl Zanner* / builder  
 11.29.04

I certify that the transponder test and inspection required by FAR 91.413 has been performed and found to comply with FAR 43, Appendix F.  
 UNIT: ETX-327 S/N: 83715708  
 DATE: 5/17/05 N#: 411DT  
 A/C TIME: 49.58 SIGNATURE: *[Signature]*  
 AEROTRONICS, INC. C.R.S. NH2R031L

I certify that the altimeter, automatic pressure altitude reporting system and the static system test required by FAR 91.411 and FAR 91.217 has been performed and complies with the Appendix E of Part 43, Altimeter.  
 tested to: 20,000 feet. DATE: 5/17/05  
 N: 411DT  
 SIGNED: *[Signature]* A/C TIME: 45.5 (H)

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
8/7/06	282.6	C/w Annual condition Inspection. Checked FLT IAW FAR 91.207. Battery gve 908. Lubed control linkage. Serviced brakes. Cleaned fuel strainer. I certify that this aircraft has been inspected on 8/7/06 IAW the scope and detail of Appendix D to FAR 43 and was found to be in a condition for safe operation. Mark D Clark NP2616934	

Date: April 1<sup>st</sup>, 2007

Total Time in Service: 355 hrs

Lancair ES Disassembled and painted. Reassembled in accordance with Lancair Assembly manual and inspected in accordance with FAR 43, Appendix D. No weight & balance changes made to aircraft. I certify this aircraft to be in a condition for safe Operation.

Signature Aaron Brook

A & P 562298631

Control Surfaces  
Balanced

KTJ-PURCHASED 1/16/07

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SER
Aerotronics, Inc. CRS NH2R031L		I certify that the transponder test and inspection required by FAR 91.413 has been performed and found to comply with FAR 43, Appendix F.	
Following the installation and maintenance of the Air Data Computer and Altitude indicator in the Automatic Pressure Altitude Reporting System of the ATC Transponder where data correspondence error could be introduced, the integrated system has been tested, inspected and found to comply with paragraph (c), Appendix E, of Part 43 of Chapter 91.411.		Unit: <u>CTX-327</u> S/N: <u>83715708</u>	
Date: <u>8/30/07</u> A/C Time: <u>362.87</u> Signed: <u>[Signature]</u>		Date: <u>8/31/07</u> N#: <u>33KT</u>	
		A/C Time: <u>362.87</u> Signature: <u>[Signature]</u>	
		AEROTRONICS, INC. C.R.S. NH2R031L	
8/31/07	362.87	removed and resurfaced all instrument panel plates. painted & labeled. removed and replaced GNS 430 with GAS-430W WAAS ser# 46100174 performed operation ck IAW Garmin 400W series upgrade manual. Installed CDI <del>MD200</del> MD200-406 op ck good Cleaned up wiring harnesses.	
		AEROTRONICS INC. CRS NH2R031L	[Signature]

# MAINTENANCE RECORD

## F.A.R. 43.9

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# EDWARDS



MONTANA JET CENTER

1691 Aviation Place Billings, MT 59105  
 Certificated Repair Station HSRR811E

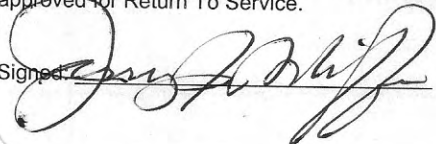
Date: 8/31/2007; Aircraft: N33KT; Type: LANCAIR; S/N: ES-191;  
 Hobbs: 0.00; Tach: 362.78; Total Time: ~~0.00~~ *UNK*

**AIRFRAME LOG**

Installed new alternator clutch assembly, P/N AEC646655.

Pertinent details of work accomplished on this aircraft are on file at this agency under Work Order 10719.

The maintenance identified above has been inspected and the item is approved for Return To Service.

Signed:  Date: 8-31-07

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF  
COMPLETION

AGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVICE

N33KT

10-02-07

T.T. - 406.3 - 368.65

Performed Conditional inspection. Replaced brakes and serviced bearings. Performed functional check of ELT batt. Batt. due date 06-10. Cleaned gascolator and performed leak check. Inspected lights and flight controls. Installed new ammeter shunt. Sumped fuel tanks and checked vents. Performed P/S leak check. I certify I have inspected this airframe I/A/W Lancair inspection checklist and the scope and detail of FAR 43 Appendix D and found it in a condition for safe operation.

*MJD* *11/15/2825489*



# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
		<p>N33KT T.T.- 392.96 8-6-08 Performed Conditional Inspection. Replaced ELT battery. New due date: Aug. 2010. Cleaned gascolator and performed leak check. Performed pitot/static leak check. Serviced nose strut. Adjusted fit of wheel fairings. Adjusted door seal pump pressure. Performed SB search and found aircraft in compliance. I certify that I have inspected this airframe I/A/W Lancair Inspection checklist and the scope and detail of FAR 43 Appendix D and found it in a condition for safe operation.</p>	

*M. J. Gunn* 1/2 3413084



# MAINTENANCE RECORD

## F.A.R. 43.9

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Make: Hammersmith

Model: Lancair ES

Serial: ES-191

TTAF: 414.1

Lubricated oil door control cable. Closed unused air conditioning inlet and prepped for paint. Repaired fuel vent line on right wing and wing tip. Replaced nut plate left hand side lower cowling. Reweighed airplane for current weight and balance: 2330 lbs empty, CG 97.12.

June 2, 2009

Samuel Meier



N33KT

11-02-09

T.T. 437

Performed Conditional Inspection. Inspected all flight controls and stops. Serviced tires. Serviced fuel gascolator. Inspected ELT. Batt due date 09-10. Repaired leaking pilot master brake cylinder and bled brakes. I certify that I have inspected this airframe I/AW the scope and detail of FAR 43 appendix D and found it in a condition for safe operation.

*MSM* AP/A 3413084

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
10-12-10		Replaced all 4 batteries - Odyssey Keith Thomsen 1424275 CFII / Exp - Tech 462 hours -	PC-680 4-30-11
		<p data-bbox="375 322 1029 715">                     N33KT                      TT- 464.0                      10-15-10                      Performed Conditional Inspection. Inspected flight controls for security and deflection. Serviced all wheel bearings. Functionally inspected ELT and replaced battery. New batt due date: Mar 2013. Serviced gascolator. List of discrepancies given to Owner. Researched SB's and found logs to be current. I certify that I have inspected this airframe I/A/W the scope and detail of FAR 43 appendix D and found it to be in a condition for safe operation.                 </p> <p data-bbox="422 704 790 758"> <i>WJH</i> P/A 3413084                 </p>	

# MAINTENANCE RECORD

## F.A.R. 43.9

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Date 2/17/2011

W/O# 11287

Tach/  
Hobbs

FLIGHT

467.32



*Airframe (Avionics) Logbook Entry* AIRCRAFT: N 33KT

**CRS AWKR298C**

S/N ES-191

25170 Aviation Ave., Davis, CA 95616

IDU-III INTEGRATED DISPLAY PART NUMBER 401-045500-0101, SERIAL NUMBER 34927 RECEIVED AFTER RIBBON REPAIR BY S-TEC CORPORATION, WORK ORDER R000067949, CRS FF2R818K. THIS IS AN OFF-EQUIPMENT REPAIR, CUSTOMER WILL BE INSTALLING UNIT IN AIRCRAFT.

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Douglas E. Barton*

Douglas E. Barton

			N33KT						
			T.T. 557.8 490 ENG - 557.8				10-24-11		
			Performed Conditional Inspection. Inspected all flight controls and stops. Serviced air filter. Serviced tires. Replaced aileron trim servo. Serviced fuel gascolator. Functionally inspected ELT. Batt due date 03-13. Repaired leaking co-pilot master brake cylinder and bled brakes. Retorqued engine mount firewall hardware. I certify that I have inspected this airframe I/A/W the scope and detail of FAR 43 appendix D and found it in a condition for safe operation.						
			<i>MJD</i>						

*MJD* 10/11 3413084

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
	N33KT TT: 519.09	Eng-586 Performed Conditional Inspection. Serviced gascolator. Inspected and functionally tested ELT. Replaced ELT batt, new due date: Aug 2013. Replaced R/H brake pads. Repaired leaking pilot L/H master cylinder. Re-torqued engine mount firewall hardware. Bled brake system and inspected for leaks. Inspected all flight controls and assured stops being met. Researched SBs thru this date and found aircraft records current. I certify that I have inspected this airframe I/A/W the scope and detail of FAR 43 Appendix D and found it in a condition for safe operation. <i>W. J. ... 3113081</i>	8-22-12
		Installed R/H brakeshim P/N 068-01100 Keith Thompson 1424275 CFII	
8-15-13		Removed GTX 327 Transponder Installed TT31 1090ES Transponder Connected RS 232 data from FF1201 WAS GPS. Now 2020 compliant for ADS-B "Out"	

# MAINTENANCE RECORD

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		<p>N33KT <span style="float: right;">9-5-13</span></p> <p>T.T.- 550.62</p> <p>Performed Conditional Inspection. Serviced gascolator. Inspected all flight control and assured stops being met. Inspected and serviced tires. ELT batt due date is Oct 2014. Verified functional check of all systems. Repaired baggage door latch system. I certify that I have inspected this airframe I/A/W the scope and detail of FAR 43 appendix D and found it in a condition for safe operation. <i>[Signature]</i> ID/A 3413084</p>	

**ACR ELECTRONICS, Inc.**  
 Artex Products - CAGE Code 18560  
 Fort Lauderdale, FL 33312

LOG BOOK ENTRY \_\_\_\_\_

E.L.T. BATTERY

REPLACEMENT DATE 10/30/2014

Installed new ELT-200  
battery packs. Expires July/2017

Keith Thomassen 1424275 CFI

# MAINTENANCE RECORD

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DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
10/1/14	575.0Tach	→ Performed Annual Cond. Insp. This date.	
Tested ELT		1) Serviced Brakes	
IAW FAR 91.205		2) Tied-up Various wires	
OK		3) Serviced Gascolator	
		4) Replaced ELT Batt w/new * Jul. 2017	ELT Batt ← July 2017
<p>* I certify that this Airframe has been inspected in accordance with the scope &amp; detail of FAR 43 app D and found to be in a condition for safe further flight.</p> <p style="text-align: right;"><i>[Signature]</i> DAP 3131201</p>			
9/5/15		Replaced CO Detector	
		Kath Thomas	
		1424275 CF11	

**CARBON MONOXIDE DETECTOR LOG BOOK REMINDER**

PIN: 353-101    SIN: 20618

Install date: 4-5-15

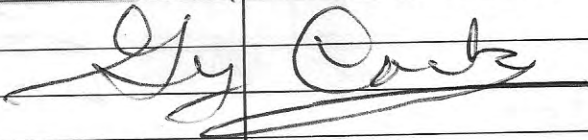
Overhaul Due Date: 5 years from install date

Return to: [www.coguardian.com](http://www.coguardian.com)



# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
<del>11/5/15</del>	603.0	Tach → Performed Annual Condition	
11/5/15		Insp. + Service this date - Run-up - OK	
		1) Stop Drilled Lft Lk Lens.	
Ekt Tested in		2) Secured Loose Radio Box	
ACCORDANCE		3) Cleaned Gasculator	
with FAR 91.207(d)		4) Insp. wheels + Brakes	
OK - Batt. *7/17		5) No Evidence of A/W Cent.	
		or Registration - These must be	
		Placed in Alc before legal flight.	
* I certify that this Airframe has been insp. in accordance with the Scope & Detail of FAR 43 App. "D" and found to be in a condition for safe further flight.			
			
		A & P 3131281	



# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME  
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE



2244 SE Airport Way, Suite 130  
Redmond, OR 97756

Date: September 15, 2016

Make: HAMMERSMITH KIRK

Model: LANCAIR ES

Serial Number: ES-191

Tach: 635.5

Removed and replaced exhaust dog bone spacer. Saftied turbo V-clamps.  
Removed and replaced main door strut. Removed and replaced both main tires  
and tubes with Flight Custom III tires and Goodyear tubes. Removed, cleaned,  
inspected and repacked main wheel bearings. Removed and replaced brake pads.  
Removed and replaced right wheel rotor. All ops and leak checks performed  
with no defects noted.

Nate Williamson

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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2244 SE Airport Way, Suite 130  
Redmond, OR 97756

Date: September 15, 2016

Make: HAMMERSMITH KIRK

Model: LANCAIR ES

Serial Number: ES-191

Tach: 635.5

I certify this ELT has been inspected in accordance with 91.207(d) and determined airworthy this date.

I certify this aircraft has been inspected in accordance with a condition inspection and determined in a condition for safe operation this date.

Nate Williamson 3223179A

7-21-17

Replace all 4 batteries

PC 680, Odyssey

Keith Thompson 1424275 CFI II

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME  
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE



2244 SE Airport Way, Suite 130  
Redmond, OR 97756

Date: September 28, 2017

Make: HAMMERSMITH KIRK

Model: LANCAIR ES

Serial Number: ES-191


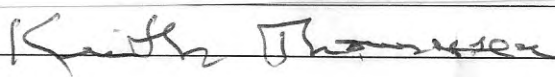
Tach: 675.0

Resealed master cylinders fittings and bled brakes. Removed and replaced ELT battery. ELT battery next due September 2019. Tightened entry step hardware. Replaced wing root tape on leading edge of both wings. Removed AC compressor bracket. Fabricated and installed new AC compressor bracket and tensioned AC belt. Repaired oil cooler hinge. Repaired cabin door attach bolt. All ops and leak checks performed with no defects noted.

James Stewart III

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		<div data-bbox="829 207 925 294" data-label="Image"></div> <div data-bbox="734 294 1021 376" data-label="Text"><p>2244 SE Airport Way, Suite 130 Redmond, OR 97756 Date: September 28, 2017</p></div> <div data-bbox="430 376 1053 469" data-label="Text"><p>Make: HAMMERSMITH KIRK Model: LANCAIR ES Serial Number: ES-191 Tach: 675.0</p></div> <div data-bbox="430 491 1324 616" data-label="Text"><p>I certify this ELT has been inspected in accordance with 91.207(d) and determined airworthy this date. I certify this aircraft has been inspected in accordance with a condition inspection and determined in a condition for safe operation this date.</p></div> <div data-bbox="430 616 1300 709" data-label="Text"><p>Nate Williamson 3223179A </p></div>
11-1-17	Tach 677.59	<p>Replaced speed brake control unit with updated logic, upgraded speed brakes to microswitch sensor sytem, replaced harnesses, repaired clutch. Lubricated and checked operation. (Done by Precise Flight)</p> <p></p>

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	
11-2-17	677.59	Tech	O <sub>2</sub> bottle certified @ • Mountain High Oxygen - Redwood CO • MVP 50 exchanged for new unit by EI
		<i>Keith Johnson</i>	



FOR UPS SHIPPING ONLY

Airtronics 12380 Airport Road Hanger 6 Martell, CA 95642-9521 TH3R867L  
 LOG ID# 371 04-December-2017 WO# 1015  
 N33Kt S/N ES-191 LANCAIR

Pg 1 / 1

INSTALLED EA USB 5 VDC POWER PORT WITH INLINE FUSE 5 AMP TO AVIONICS BUSS. ALL WORK CARRIED OUT IAW APPROVED IMS, NO INTERFERENCE WITH ANY AIRCRAFT SYSTEMS FOUND.

*[Signature]* 12/4/17  
 Signed TH3R867L JAMES LEWIS Date

5/2/18	701.5	AIRCRAFT DISSASSEMBLED FOR CONVERSION TO ES-12	
		<i>[Signature]</i> 1A2832471	