

AMATEUR-BUILT AIRPLANE

MAKE & MODEL VANS RV-8
 Serial No. 81051 Registration No. N901X
 DESCRIPTION LOW WING, TANDEM SEATING, T.D.
 Wing Span 28' 0" Wing Area 110 SQ. FT. Length 20' 10"
 Empty Weight 1091 Gross Weight 1800 Limiting Speed (Vne) 222
 Built By: MARK & DAVID BERNHARD
 Date 12/01/2001
 Original Design By: R. VANGRUNSVEN Built From Plans By: _____

CONSTRUCTION MATERIALS

WINGS: Spars 6061 ALU Ribs 6061 ALU Cover 6061 ALU
 FUSELAGE: Longerons 6061 ALU Formers 6061 ALU
 Firewall 3/STEEL Stringers 6061 ALU Cover 6061 ALU
 TAIL: Spars 6061 ALU Ribs 6061 ALU Cover 6061 ALU
 LANDING GEAR: Legs STEEL Axles ALU Wheels ALU
 EXTERNAL BRACING: STRUTS _____ WIRES _____

FINISHES

Finish Dope or Paint _____ Metal Finish (Skin) _____

SERVICING INFORMATION

Fuel Grade 100 4L Gallons 42 Type & Grade Engine Oil Shell 100
 Brake Fluid Hyd Oil Fluid _____ Tire Pressure 26 psi

APPROVED FOR FLIGHT

Date	Inspector
9/27/02	SEE SIGN OFF PAGE 9

PERMANENT
AIRWORTHINESS
CERTIFICATE ISSUED

Date	Builder Sign Phase I Completed
12/8/02	[REDACTED]

91.319 Endorsement I CERTIFY THAT THE DESCRIBED FLIGHT TEST HOURS HAVE BEEN COMPLETED AND THE AIRCRAFT IS CONTINUABLE THROUGHOUT ITS NORMAL RANGE OF SERVICE AND IN COMPLIANCE WITH REGULATIONS, HAS NO AIRCRAFT OPERATING CHARACTERISTICS OR DEFECTS WHICH WOULD PRESENT A HAZARD TO PUBLIC SAFETY. THIS AIRCRAFT HAS BEEN DEMONSTRATED TO COMPLY WITH THE REQUIREMENTS OF 14 CFR 91.319 AND 14 CFR 91.403, AS WELL AS THE REQUIREMENTS OF THE FAA AIRCRAFT INSPECTION AND CERTIFICATION PROGRAM.

INSPECTIONS FOR THIS AIRPLANE

No.	Date	Name	License No.
	1/2/00	R KENDALL	[REDACTED]
		INSPECT ENGINE CASE COMPLETE.	
	7/2/01	INSPECT WINGS (2) PRIOR TO INSTALLING EXTERIOR SKINS	[REDACTED]
	9/21/02	INSPECT WING & TAIL FINISH POINTS. INSPECT LANDING GEAR, RUBBER & ELEVATOR ATTACHMENT. INSPECT CONTROL RODS & CABLES. INSPECT ENGINE INSTALLATION & CONTROLS.	[REDACTED]
	12/15/02	INSPECT COMPLETE AIRCRAFT PRIOR TO FIRST FLIGHT	[REDACTED]

INSPECTIONS PER THIS AIRPLANE

No.	Date	Name	License No.

Aircraft
Weight & Balance Date 12-7-01
ca.
Aircraft weighed this date for new weight and balance.
Empty Wt. 1091.0 Lbs.
C.G. 77.75 in.
Moment 84861.36 in.-lb.
Useful load 709.0 Lbs.
[Signature]

REMARKS

I have inspected this aircraft and issued ~~an~~ airworthiness certificate in the Experimental category in accordance with FAR 21.191(b).
[Signature]
Date Signature OAK FSDO

Date	From	To	Hours	Min.	Pilot
10-27-09	CHANGED	OIL + FILTER - CLEANED SCREEN			157.7
2-28-10	CHANGED	OIL + FILTER			182.2
4/2/10	N901X	RV-8	SN# 81051		
	Tach Time	182	Total Time	362	
<p>Inspected cables, bellcranks, rod ends, and attach points. All controls lubed and travels checked. A/C jacked, main wheel bearings, tail wheel bearings and yoke assembly disassembled, cleaned, lubed and reassembled. Inspected landing gear, wheels, and brakes. Inspected electrical, fuel, and hydraulic systems. Cleaned fuel filter. Serviced brake system with MIL-H-5606 hydraulic fluid. Installed 2 new main gear tires. ELT tested per FAR 91.207 (d), found airworthy. ELT battery replacement due 1/31/11.</p> <p>I certify that this aircraft has been inspected in accordance with the scope and detail of appendix D of 14 CFR part 43 and found to be in a condition for safe operation.</p>					
			Michael Cingari	ASIF	IA
Total Forward					
Total to Date					

LYCOMING

A Textron Company

652 Oliver Street
Williamsport, PA 17761

8/15/2007 Engine s/n L-28390-51A was returned to Lycoming with 179.9 TT for compliance with Service Bulletin 506 (AD 2005-19-11). Engine was disassembled, cleaned, and inspected. Cylinders were honed. Engine was reassembled replacing the crankshaft with s/n V537046819. Also replaced were all bearings, rings, hardware necessary for the repair, piston pin plugs, fuel pump, and all perishable items. Engine was tested in accordance with Lycoming Specifications and is determined to be in an airworthy and safe operating condition. Additional service bulletins and instructions complied with 342E (2002-26-01), 548A, 566 (AD 2005-19-11), 569 (2006-20-09), SI 1267C, 1424, 1487. All pertinent data relating to this work is on file at Lycoming under work order C2X29390.

Bill Repetti
Repair Station E11R115K

END

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
9/21/07	17	9	Installed in A1901K using new bolts and Engine mount supports Test Run ok End		
Page Total			All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
4/2/10	N901X		Lycoming IO-360-A1B6 SN# L-29390-51A Tach Time 182 Total Time 362 Drained oil, cleaned and inspected oil suction screen. Inspected oil filter element, replaced filter with CH48110-1, and serviced engine with 8 quarts of Aero Shell 15W50 oil. Compression tested @ 80 psi as follows: #1-76, #2-76, #3-76, #4-76. Spark plugs cleaned, gapped, and tested. Magneto timing checked, Fuel injection finger screen cleaned. Engine washed down, run-up, leak checked, and found OK. All applicable AD's, SB's and SP's complied with. See AD listing for compliance record detail. I certify that this engine has been inspected in accordance with the scope and detail of appendix D of 14 CFR part 43 and found to be in a condition for safe operation.		
Page Total			All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

Michael Cingari A&P

MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
2/5/09	N901X Tach Time	MTV-12-B 110.1	SN# 01218 Total Time 290.0	
<p>All applicable AD's, SB's and SI's complied with. See AD listing for compliance record detail. AD 2007-26-13 complied with and due 390.0 hrs. I certify that this propeller has been inspected in accordance with the scope and detail of appendix D of 14 CFR part 43 and found to be in a condition for safe operation.</p>				
			Michael Cingari	A&P [redacted] IA
4/2/10	N901X Tach Time	MTV-12-B 182	SN# 01218 Total Time 362	
<p>All applicable AD's, SB's and SI's complied with. See AD listing for compliance record detail. AD 2007-26-13 complied with and due 390.0 hrs. I certify that this propeller has been inspected in accordance with the scope and detail of appendix D of 14 CFR part 43 and found to be in a condition for safe operation.</p>				
NC				Michael Cingari A&P [redacted] IA 312