Aircraft: RV-8 (Van's RV-8)

Serial Number: 82137 Registration Number: N114NH

Aircraft Owner: John Davis

Date of Inspection: November 2016

Location of Inspection: KSEE

Total Airframe Hours:	316.1
Total Engine Hours:	316.1
Total Propeller Hours:	316.1

Inspection Performed By: John Davis Certificate: 3349989 Maries

Preparation — Inspection C

Preparation — Inspection Consumables

The state of the s	
Oil	7 pts. Aero Shell 50W /// 26 //6
Oil filter	Champion CH48110 ///26//6
Spark plugs	8 - Unison UREM37BY ///26 Cleaned
ELT batteries	New 2013 20/6
ELT remote battery	1 - Duracell DL 1/3 NB lithjum (every 8 years) 2016
Air filter recharge kit	K&N 99-5000 Cleaned
Brakes	Brake lining replacement kit /nspected. 11/26/16
Tires/tubes	2 - 5:00x5-6 ply, as needed
Wheel bearing grease	Hi-temp disc brake grease or Aero shell 5 / 1/26/16
Gasket lube	Dow DC-4
Light lubricant	LPS-2 9n

Time-limited items

Item	Last change	Next due
ELT batteries	2016	2018
ELT remote battery	2.16	2024
Altitude encoder & transponder certification		

⊏mpennage &	Fuselage Group
/26/10 mm 1)	Remove empennage fairing, fuselage inspection covers Inspect vertical and horizontal stabilizer spar attach points
(3)	Inspect elevator horns and attachments, and rear fuselage bulkhead interior including tailwheel mount for integrity
M 4)	Inspect all empennage structures for corrosion and condition
<u>gn</u> 5)	Inspect all empennage attach bearings for condition/security, lubricate
<u>912</u> 6)	Inspect rudder control stops and cable attachments for security and cotter pin, rudder light wire for chafing
7) [m8)	Inspect elevator trim tab, arm, and actuator rod Inspect static ports, verify clear Inspect rear fuselage interior: check skin/bulkheads for cracking, damage, or
gr-9)	Inspect rear fuselage interior: check skin/bulkheads for cracking, damage, or
gn 10)	Inspect midship elevator bellcrank assembly, lubricate rod end bearings
PN (n-11)	Re-install rear baggage panels, rear fuse inspection plates, empennage fairing
1/02	(425) 402 04
1602	10 Touch Ser 021519-

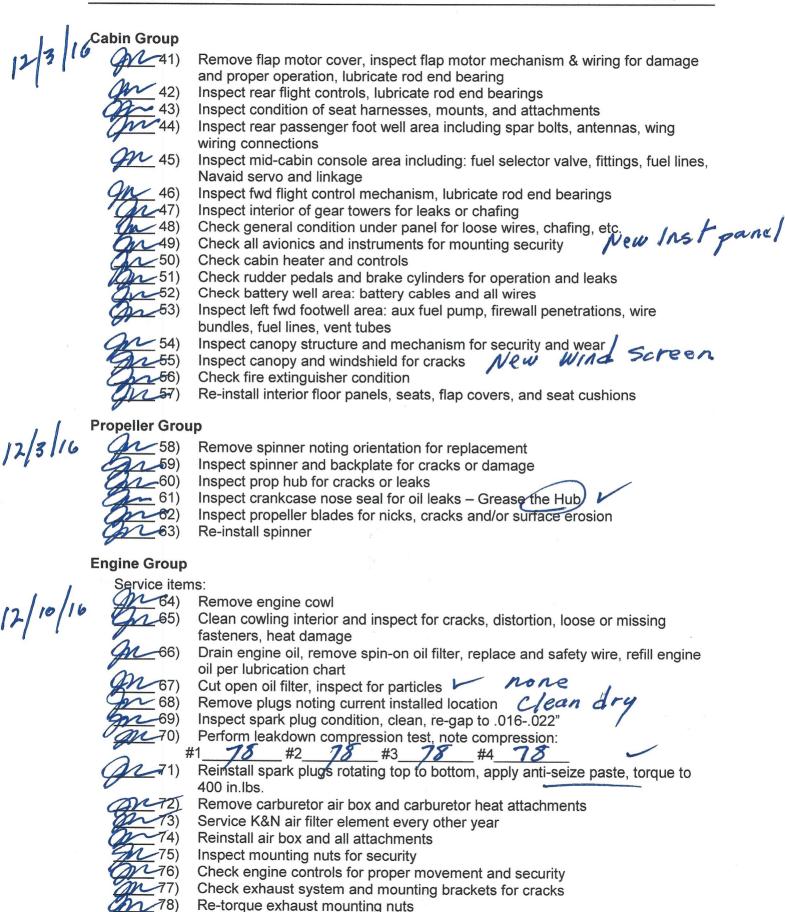
10 Touch Ser 021519 -

Landing Gear Group Remove tail wheel and tailwheel yoke, clean all parts, and assess wheel bearings, voke bearings, and tire Clean & oil yoke bushing, re-install yoke and wheel replacing wheel and/or bearings as necessary Sewled bearing Inspect tail wheel steering mechanism for security and proper movement Re-install tail wheel, replace as necessary Remove wheel pants, upper intersection fairings, gear attach covers Inspect wheel pants and fairings for cracks, wear, loose or missing fasteners Jack plane at tiedown points 19) Remove brake assemblies and wheels 20) Inspect tires for wear and cracks, rotate if indicated, replace if necessary Check brake cylinders for condition/leaks, brake lines for security and chafing. inspect brake linings for wear and condition, replace as necessary Re-pack wheel bearings (hi-temp disc brake grease) every other year 23) Rotate or replace tires as necessary NA Clean and re-mount wheels and brake assemblies including cotter pin Check/set tire air pressure: 28/34 psi Clean wheel pants and re-install Inspect gear/fuselage attach bolts for security and tightness Inspect fuel vent ports for security and condition Re-install gear attach covers, upper intersection fairings, wheel pants Wing Group Remove wing inspection plates Inspect entire wing structure internally for cracks and corrosion including fuel tank attach bolts, special attention to main spar Inspect aileron control mechanism (push tubes, rod end bearings, bellcrank) for condition/security, lubricate rod end bearings Inspect wing root area including electrical connections and plumbing Inspect fuel cap and O ring condition Inspect aileron attach bolts/brackets for security, aileron control stops for security, lubricate rod end bearings Inspect pitot tube and plumbing for security and blockage Extend flaps, inspect flap actuator rods and attachment hinge for operation and

security, lubricate rod end bearings

Inspect strobe/navigation lights for security and operation

Inspect landing lights for security and operation Reinstall inspection plates and wing root fairings



Inspection it	ems:		
12 10 10 79)	Inspect accessories on rear engine case for security and leaks including: oil		
1.1.10	temp sender, oil pressure sender, magnetos, fuel pump, vacuum pump pad, oil		
an 80)	lines & fittings, crankcase breather Inspect oil cooler condition including fins for damage or blocking, lines for leaks		
	and/or chafing		
81)	Inspect ignition harness, springs and insulators for condition		
82)	Inspect starter: pinion & ring gears, mounts, wiring connections		
200.84)	Inspect alternator: mounts, lead connections, belt condition and tension Inspect plenum/baffle for damage and air leaks		
Ept 85)	Inspect engine mount system for damage and attachment security		
86)	Inspect all firewall penetration seals		
87) 88)	Inspect fuel lines for condition, chafing, and signs of leaks Inspect all wire bundles for security and chafing		
89)	Inspect all lines, hoses, and clamps for leaks, improper condition, looseness,		
	and chafing		
12/16/16 Operational Inspection			
	•		
90) 91)	Verify all inspection panels and fairings secure Brake system check		
Test run engine			
92)	Check oil pressure/temperature within limits		
93) 94)	Check aux fuel pump for proper fuel pressure		
95)	Check ignition switch, both magnetos grounded check Check alternator shut off operation		
96)	Check alternator shut off operation Check fuel gauges for operation Calibration		
97)	Check static run up		
98) En 99)	Magneto check Check for proper idle RPM		
	Check RPM rise upon leaning mixture (idle mixture)		
(m 101)	Check fuel selector for engine shutoff		
After shutdown:			
(m 102)	Inspect fwf area for fuel, oil, and hydraulic systems for leaks Re-install cowling		
100)	To motali oowiing		

Documentation

Verify equipment list up to date
Verify Registration, Airworthiness Certificate, and Operating Limitations are
current and in aircraft
Verify external data plate secure and installed
Verify external data plate secure and installed
Verify EXPERIMENTAL placard installed in cockpit
Verify PASSENGER WARNING placard installed in cockpit
Verify cockpit checklists and Pilot's Operating Handbook in aircraft
Review Airworthiness Directives for applicability and compliance
Review Service Bulletins/Letters for compliance
Check altitude encoder & transponder certification (every 24 months)
Document Condition Inspection and record maintenance performed in airframe and engine logs

NOTES: 58 16-03-28 Inspection Complete no Cracks

5B 14-02-05 Inspection Complete no Cracks

5B 14-01-31 Inspection Complete no Cracks

5B 12-08-14 AN-4 Wing attack bolts in place

5B 11-9-13 NO Slock Compound

5B Electric Flap Wiring

5B 7/2/6 Sticks Attached

5B 06/2/23 Fuel No Flop pickups V

5B 4/3/1 NA Lock Tight

5B 4/2/1 NA)

5B 96-10-1 V

Manca

5B 16-12-16 Inspection Complete - Bolts Inplace

9MD

