

SHIPPED JANUARY, 2012

N941KC

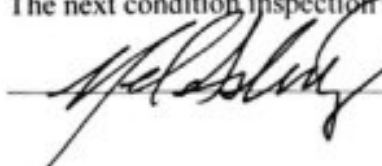
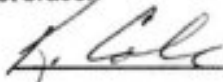
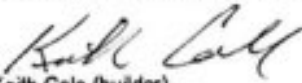
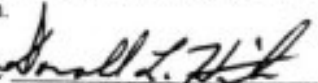
AIRFRAME LOG

S/N 120595

DATE	TIME	DESCRIPTION	SIGNED
04-06-15	0.0	Completed construction of Vans's RV-12 E-LSA kits per provided parts and assembly instructions. The following options were included as part of the construction: - Wing kit (LED Lighting) - Wheel fairings - Dynon standard avionics kit with optional Skyview touchscreen D1000T EFIS and optional autopilot servos - Canopy latch switch - Firewall stiffener - Prefabricated fuel tank - Fuel tank vent mod - Full Fliteline custom interior upholstery - E-LSA powerplant (Rotax engine 912 ULS S/N 6782995) All applicable service bulletins complied with as of this date Weight & balance data at completion of construction: Empty weight - 771 lbs Empty arm - 80.75 inches Empty moment - 60,641 in-lbs I certify that this aircraft was built with materials and instructions provided by Van's Aircraft Inc. I have inspected it and consider it eligible for an experimental airworthiness certificate for the purpose of operating light-sport aircraft under the provisions of 14 CFR part 21.191(i)(2). <u>Keith Cole</u> Date <u>4-25-2015</u>	<i>K. Cole</i>

REVISED BY
KEITH COLE
11/16/2016
SEE PDH pg 4-4
AND WEIGHT/BALANCE
TAB

N941KC
S/N 120595

DATE	TIME	DESCRIPTION	SIGNED
		I find that this aircraft meets the requirements for the certificate requested and have issued a special airworthiness certificate dated <u>04/25/2015</u>. The next condition inspection is due <u>04/30/2016</u>  DART-710500-SW	
	0.0	Incorporated Van's Service Bulletin 14-12-06 by replacing bearing bracket brace. 04-30-2015  (Builder)	
		06-03-2015 TT 8.0 I certify that the prescribed flight test hours have been completed and the aircraft is controllable through its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating conditions or design features and is safe for operation. The flight test was completed under the following conditions: up to maximum operating weight, maximum demonstrated air speed and minimum demonstrated stall speed.  Keith Cole (builder)	
03 May 2016	68.0	VANS ELSA RV-12 N941KC S/N 120595 CW SB 14-11-03 by insp.-no wear. CW SB 16-04-10 Step 3 check OK. Replaced RH brake bleed valve. Lubed all flight controls. Performed annual condition inspection IAW VANS RV-12 Maintenance Manual Section 3-Inspection and RV-12 Aircraft Inspection Checklist. I certify that this aircraft has been inspected with reference to the scope and detail of 14 CFR Part 43 Appendix D and 91.409 (a) (1) Annual Condition Inspection and was determined to be in condition for safe operation. Signature  AP1826803	

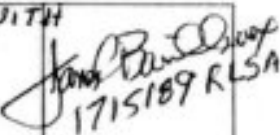
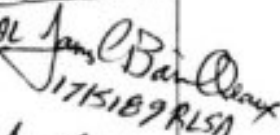
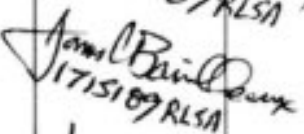
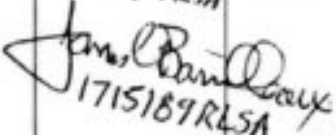
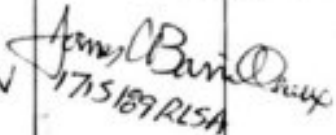
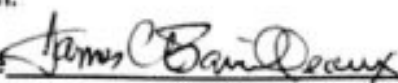
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DATE	TIME	DESCRIPTION	SIGNED
		06-03-2016 TT 72.2 Aircraft painted by Renue Aircraft, Cleveland Oklahoma. Colors: Alumigrip F8024 Matahorn White Acry Glow H10679 Titanium Acry Glow H10586 Blue	
		06-10-2016 TT 76.1 Complied with SB 16-05-2016. No cracks found in nose fork. <i>Kurt Cole (BUILDER)</i>	
		7-23-16 TT 83.1 Replaced brake pads on both main landing gears. <i>Kurt Cole (BUILDER)</i>	
		10-7-16 TT 104.1 Complied with service bulletin 16-08-01 Stabilator Bearing Inspection. No movement found. <i>Kurt Cole (BUILDER)</i>	
		Weighed aircraft on 11-16-2016. New numbers as follows: Empty weight = 764 lbs Center of Gravity = 81.1 inches Moment = 61960 in-lbs <i>Kurt Cole (BUILDER)</i>	

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DATE	TIME	DESCRIPTION	SIGNED
27 May 2017		VANS ELSA RV-12 N941KC S/N 120595 TT136.5 Removed all cowlings, fairings, inspection panels and wings. Performed annual condition inspection IAW VANS RV-12 Maintenance Manual Section 3-Inspection and RV-12 Aircraft Inspection Checklist. Removed both main gear wheels, cleaned and repacked wheel bearings and reversed tires. Complied with following service bulletins: SB 14-11-03, SB 16-04-10, SB 16-05-23, SB 16-05-26, SB 16-08-01, SB 16-08-24, and SB 16-10-03. I certify that this aircraft has been inspected with reference to the scope and detail of 14 CFR Part 43 Appendix D and 91.409 (a) (1) Annual Condition Inspection and was determined to be in condition for safe operation. Signature <u>Donald T. Zitt</u> AP1826803	
3/30/2018	221.7	COMPLETED ~~SERVICE~~ ~~FILE~~ NOTIFICATION 16-09-21 WD-1230 NOSE FORK UPGRADE. ALSO INSTALLED E-Z HEATING AIRCRAFT ENGINE HEATER MODEL 912 NEW NOSE FORK ELIMINATES SERVICE BULLETIN 16-05-23 Signature: <u>James Baird RLSA 1715189</u>	
6/4/2018	226.6	Completed Notification 16-01-16 RV-12 ADS-B Out installation with WH-00129 Dynon SV-GPS-2020 S/N 2672 - no change in weight or arm. Completed Notification 16-07-28 Dynon SkyView ADS-B In with Dynon SV-ADSB-472 dual band receiver S/N 11984 - added weight 1.89lb @ 76.06in = 143.78 in-lb. Complied with Service Bulletin 16-08-24 inspection Engine mount brackets, no loose rivets. Complied with Service Bulletin 14-11-03 Wing skin/Spar rivet wear, no rivet wear noted. Replaced tie down rings with Vans forged tie eyes - no w/b change. Replaced both Brake disk rotors with Matco WHLD 164-017 rotors and replaced both sets of brake pads. Replaced both main gear tires and tubes with Dresser 500-5 6 ply retreads and Butyl TR-67 inner tubes, weight increase 2lbs/tire = 4lbs @ 93in = 372in-lbs. Installed 2 Vans U-00014A 1 degree camber axle shims on left main axel, and 4 Vans U-00014A 1 degree camber shims on right main axel, weight increase for both axels 0.6lb @ 93in = 55.8in-lbs. I certify that this aircraft, N941KC, has been inspected on June 6, 2018 in accordance with the scope and detail of appendix D to Part 43, or the manufacturer's inspection procedures, and was found to be in a condition for safe operation. Signature: <u>James Baird RLSA 1715189</u>	

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DATE	TIME	DESCRIPTION	SIGNED
8/19/2018	234.2	REPLACED DYNON SKYVIEW EFIS SV-D1000T WITH DYNON SKYVIEW EFIS SV-HDX1100 S/N 12654  102864-000 SN 12654 SV-HDX1100 Includes Map 	 1715189RLSA
9/13/2018	237.1	NO CHANGE TO WEIGHT & BALANCE	
2/23/2019	262.9	SEE ENGINE & PROP FOR RECTIFIER REGULATOR REPLACEMENT INSTALLED VAN'S NOTIFICATION 15-09-15 MECHANICAL SPAR PIN SWITCHES NO CHANGE TO WEIGHT & BALANCE	 1715189RLSA
3/18/2019	262.9	INSTALLED VAN'S NOTIFICATION 16-12-14 ANGLE OF ATTACK / INSTALL CALIBRATION NO CHANGE TO WEIGHT AND BALANCE OK INSTALLED NEW E04.D BATTERY FOR ACK E-04 ELT EXPIRES 11/28/2023 NO CHANGE TO WEIGHT & BALANCE GROUND CHECK OK	 1715189RLSA  1715189RLSA
4/11/2019	270.3	REPLACED LEFT MAIN WHEEL & TIRE W/ ^{NEW} MATCO MHMHES1B WHEEL ASSEMBLY AND WILKERSON 500-5/6 RETREAD, OPS CHECK OK	 1715189RLSA
7/1/2019	279.5	Complied with S/B 16-08-24 Inspection Engine mount brackets, no loose rivets. Complied with S/B 14-11-03 Wing Skin/Spar flange rivet wear Inspection, no rivet wear noted. Complied with S/B 16-08-01 Stabilator Bearing Inspection, no movement noted. I certify that this aircraft, N941KC, has been inspected on July 1, 2019 in accordance with the scope and detail of appendix D to Part 43, or the manufacture's inspection procedures, and was found to be in a condition for safe operation. Signature  1715189RLSA	
7/12/2019	292.3	Precision Static Testing Livermore, CA FAA Certified Repair Station #QJAR856X PHONE: (925) 449-5904 FAX (925) 449-6081 I certify that transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR Part 43, Appendix E and F. Time: 292.3 W/O# 16367 N 9414L Inspected by  Date 7/12/19	

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DATE	TIME	DESCRIPTION	SIGNED
10/6/2019	301.1	REPLACED FUEL TANK WITH VANS P/N 12 FUEL TANK A-1 ASSEMBLED FUEL TANK, REFUELED - NO LEAKS	James L. Baird 1715189RLSA
~~3/5/2020~~ 11/2/2020	~~315.1~~ 342.4	Complied with following Service Bulletins (S/B): S/B 20-01-17, 16-08-24, 16-08-01, and S/B 14-11-03. Completed S/B 00026. S/Bs 00005 and 00006 are not applicable to N941KC. Service Directive S/D 00001 requires trim motor and assembly to be replaced at 1000 hrs time in service. I certify that this aircraft, N941KC, has been inspected on November 2, 2020 in accordance scope and detail of Appendix D to part 43, or the manufacture's inspection procedures, and was found to be in a condition for safe operation.	
		Signature <u>James L. Baird</u> 1715189RLSA	
12/30/2020	395.1	INSPECTED ENGINE MOUNT STANDOFF REQUIRED BY VAN'S S/B 00023. NO CRACKS FOUND	James L. Baird 1715189RLSA
2/13/2021	414.6	Replaced Pitch Trim motor ES-MSTS-T3-7A-2 with new Ray Allen ES MSTS-B6-7T-165 motor, F1287A-1 Servo tray, and BUSH-BS.188X.313X.222. Items installed IAW KAI Section 11iS/U. Pitch trim flight check OK, COMPLIED WITH S/D 00001	James L. Baird 1715189RLSA
7/29/2021	450.2	Renlaced aircraft battery with Odyssey Extreme PC680	
		Precision Static Testing Livermore, CA Phone 925-449-5904 FAA Certified Repair Station #QJAR856X I certify that transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR Part 43, Appendix E and F. Time: <u>450.2</u> W/O# <u>19742</u> N <u>941AL</u> Inspected by <u>[Signature]</u> Date <u>7/29/2021</u>	James L. Baird 1715189RLSA

N941KC
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DATE	TIME	DESCRIPTION	SIGNED
3/18/2022	462.0	Complied with following Service Bulletins (S/B) 14-11-03 16-08-01, 16-08-24, and 00023. Removed all landing gear tires and repacked bearings. I certify that this aircraft, N941KC, has been inspected on March 18, 2022 in accordance with scope and detail of Appendix D to Part 43, or the manufacture's inspection procedures, and was found to be in a condition for safe operation Signature <u>James R. Baird Deery 1715189RLSA</u>	
3/18/2022	462.3	POST ANNUAL TEST FLIGHT COMPLETE NO DISCREPANCIES <u>James R. Baird Deery 1715189RLSA</u>	
6/28/2023	501.0	Complied with following Service Bulletins (S/Bs) 14-11-03 16-08-01, 16-08-24, and 00023 with no defects noted. Completed S/Bs 00053 and 00067. Completed Notification 15-10-01. No change from S/Bs or Notification to weight and balance. Removed all landing gear tires and repacked bearings. I certify that this aircraft, N941KC, has been inspected on March 18, 2022 in accordance with scope and detail of Appendix D to Part 43, or the manufacture's inspection procedures, and was found to be in a condition for safe operation Signature <u>James R. Baird Deery 1715189RLSA</u>	
6/30/2023	502.5	POST ANNUAL TEST FLIGHT COMPLETE NO DISCREPANCIES <u>James R. Baird Deery 1715189RLSA</u>	
7/19/2023	505.6	Precision Static Testing Livermore, CA Phone 925-449-5904 FAA Certified Repair Station #QIAR856X I certify that transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR Part 43, Appendix E and F. Time: <u>505.6 H</u> W/OM <u>23244</u> N <u>941KC</u> Inspected by <u>[Signature]</u> Date <u>7/19/2023</u>	

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DATE	TIME	DESCRIPTION	SIGNED
1/3/2024	524.1	REPLACED E04.0 BATTERY WITH NEW E04.0 FOR ACK-OA ELT EXPIRES 8/28 NO CHANGE TO WEIGHT & BALANCE GROUND CHECK OK, SEE AVIONICS	
9/8/2024	565.5	Complied with following Service Bulletins (S/Bs) 14-11-03 16-08-01, 16-08-24, and 00023 with no defects noted. Completed S/Bs 00102 and 00103. No change from S/Bs to weight and balance. I certify that this aircraft, N941KC, has been inspected on September 2, 2024 in accordance with scope and detail of Appendix D to Part 43, or the manufacture's inspection procedures, and was found to be in a condition for safe operation Signature <u>James Baird</u> 1715189RLSA	
9/3/2024	567.0	POST CONDITIONAL INSPECTION TEST FLIGHT COMPLETE, NO DISCREPANCIES <u>James Baird</u> 1715189RLSA	
7/25/25	619.4	Precision Static Testing Livermore, CA Phone 925-449-5904 FAA Certified Repair Station #QJAR856X I certify that transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR Part 43, Appendix E and F. Time: <u>619.4</u> W/O# <u>27061</u> N <u>941KC</u> Inspected by <u>[Signature]</u> Date <u>7/25/2025</u>	
9/26/25	622.4	Complied with following Service Bulletins (S/Bs) 14-11-03 16-08-01, 16-08-24, and 00023 with no defects noted. Replaced right tire with Wilkerson 500-5 6 ply retread and Michelin airstrip tube. Replaced Vans supplied O rings in fuel cap. I certify that this aircraft, N941KC, has been inspected on September 2, 2024 in accordance with scope and detail of Appendix D to Part 43, or the manufacture's inspection procedures, and was found to be in a condition for safe operation	

Signature James Baird 1715189RLSA

N941KC
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DATE	TIME	DESCRIPTION	SIGNED
9/27/25	624.0	POST CONDITIONAL INSPECTION FLIGHT ACCOMPLISHED - NO DISCREPANCIES <i>James Bonilleaux</i>	1715159RLSA
12/4/25	629.1	REPLACED BATTERY WITH ODYSSEY PC680 12VOLT 16 AMPHR AGM ² BATTERY. FLIGHT CHECK OK <i>James Bonilleaux</i>	1715189RLSA
1/29/26	631.8	In accordance with Vans Service R 12 service bulletin 00116, Inspected all 6 rivets attaching both F-1286B left and right Servo Angles to both F-1286A left and right Servo Brackets. Rivets were found to be correctly installed with no signs of fatigue or failure. Also installed new EDMO E 04.8 ELT antenna for ACK ELT. No change to weight & balance <i>James Bonilleaux</i>	1715159RLSA
5/1/26	661.3	Complied with the following Vans Service Bulletins (S/Bs) 14-11-03, 16-08-01, 16-08-24, 00023, and 00079 with no defects noted. Emergency Egress Hammer located in "glove box" on right side of instrument panel. <i>James Bonilleaux</i>	1715159RLSA

5-7-2026 661 hrs. TTSN Maintenance on N941KC Engine serial # 6782995 Aircraft serial # 120595

In accordance with the RV12 and Rotax maintenance manuals this aircraft was inspected for its Annual Condition, 100 hr. inspection and partial Rotax 5 year rubber change. In accordance with the Rotax maintenance manual this aircraft had its required Rotax 5 year rubber replacement program performed. The fuel and oil hoses were Teflon hose. Both these types of hoses are 10 year hoses and then on condition. The main 1" coolant hose had already been replaced. The four 17mm coolant hoses under the cylinders and the top four hoses were replaced. The coolant was replaced with Dex-Cool 50/50 and the reservoir tank filled to 2/3 full. Carbs pneumatically synched. Engine run and idle set at 1750 +/- rpm. All engine operating parameters were normal on startup. No abnormalities noted. Carbs pneumatically synched. Four exhaust springs were worn. Replaced the four exhaust springs, installed safety wire and applied high temp silicone. The carb bowls were removed and they were clean. Both sets of floats weighed 6.2 grams. The idle jets were removed and cleaned. Lubed rod ends and hinges throughout the aircraft. Rotax gearbox friction torque is 462 in/lbs. The mag drop was 110 & 110 rpm on the ignition modules. The oil and filter was just installed and not due. The magnetic plug was inspected and it was clean. Safety wired the magnetic plug back in place. The spark plugs were replaced with NGK DCPR8E plugs. The plugs were gapped to .025 and thermal paste applied. Both the K&N air filters were removed and they were clean. Re-installed and safety wired. Compression test results are: #1 87/86, #2 87/86, #3 87/86, #4 87/86 psi. The brake pads are at approximately 35% - 40%. The front tire was inflated to 22 psi and the mains to 25 psi. All Rotax SB's are current. Next inspection is due by 761 hrs. or the Annual Condition Inspection by 5-31-2027. I certify that this aircraft has been inspected within the scope and detail of the RV12 and Rotax manuals and was found to be in a condition for safe operation.

Roger Lee 5/7/2026
Roger Lee RLSM-A Cert. # 3359235 issued 5-28-08

N941KC
Rotax Engine 912 ULS S/N 6782995
Propeller Sensenich Model 2A0R5/R70E

DATE	TIME	DESCRIPTION	SIGNED
04-06-15	0.0	Installed Rotax 912 ULS engine S/N 6782995 (gearbox S/N 62249). Serviced with 3.5 liters of Aeroshell Oil Sport Plus 4 and 0.7 gallons Preston Dex-Cool antifreeze/coolant. Ground run engine, all temperatures and pressures normal. No leaks found. Installed Sensenich propeller model 2A0R5/R70E, hub S/N 212893E, Blade S/Ns 40401 and 40521. Set blade angles using Sensenich index pin #3 per Van's Aircraft recommendations. Note: Bing carburetors are 140110 (left) & 140165 (right)	K. Cole
04--24-15	0.4	Complied with Rotax SB-912-065R1. Weight on both floats is Less than 7 grams and balance differential is 0.0 grams	K. Cole
06-26-15	10.8	Replaced carburetor floats with new items provided by Rotax. New floats are marked with two dots which delete the requirement for recurrent testing per Rotax SB-912-065R1. Also replaced bowl gaskets.	K. Cole
11-07-15	25.0	Changed oil, added 3 quarts Aeroshell Sport + 4 10W40 ND, Replaced oil filter, cut old filter and no metal particles found. Performed other checklist items recommended by Rotax in their Maintenance manual for a 25 hour inspection. Checklist attached.	K. Cole
03 May 2016	68.0	Rotax 912 ULS SN 6782995 TTSN: 68.0 Sensenich Model 2A0R5/R70E Propeller TTSN: 68.0 Changed engine oil and serviced with 3 Liters AEROSHELL Sport Plus 4 and replaced oil filter. Replaced 2 each muffler joint springs. Lubed all engine controls. Performed annual condition inspection IAW VANs RV-12 Maintenance Manual Section 3-Inspection, RV-12 Aircraft Inspection Checklist and BRP-Powertrain Maintenance Manual 05-20-00 5.1) 100 hr. inspection. I certify that this engine/propeller has been inspected with reference to the scope and detail of 14 CFR Part 43 Appendix D and CFR 91.409 (a) (1) as part of the inspection of N941KC and was determined to be in condition for safe operation. Signature <u><i>Michael P. Hilt</i></u> AP1826803	

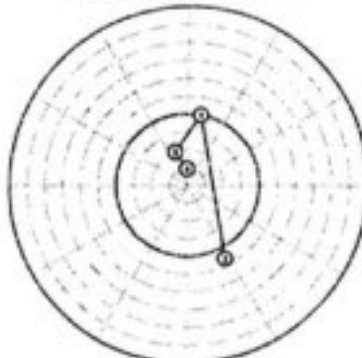
N941KC
Rotax Engine 912 ULS S/N 6782995
Propeller Sensenich Model 2A0R5/R70E

DATE	TIME	DESCRIPTION	SIGNED
8-21-16	97.2	Changed oil, added 3 quarts Aeroshell Sport + 4 10W40 ND, Replaced oil filter, no metal found in magnetic plug. Ground run good, no leaks.	<i>K. Cole</i>

PROP/ENG DYNAMICALLY BALANCED

— POLAR PLOT - 0.6 IN/S FS —

Operator Comments
RV12, Final wts. 2.1 @ 90 / 1.0 @ 120



N941KC RV12 120.0 Hrs
Rotax
Rotax 912ULS
MicroVib II SN:1969 Cal:07/29/2016
Initial: 0.200 IN/S @ 2210.9 RPM Final: 0.046 IN/S @ 2185.2 RPM

Oper: *W. A. [Signature]* AP 205838
Date: 12/01/2016 Exn Aircraft Service

01-13-2017 TT: 124.8

Added Saf-Air oil drain valve and adapter to oil reservoir tank. Changed oil, added 3 quarts Aeroshell Sport + 4 10W40 ND, Replaced oil filter, no metal found in magnetic plug. Ground run good, no leaks.

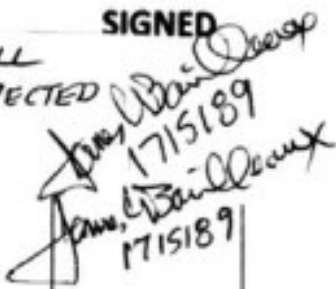
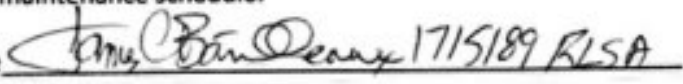
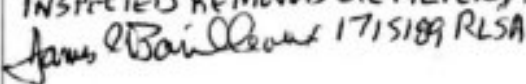
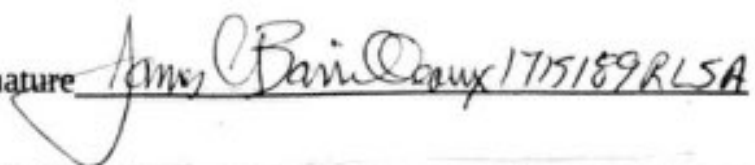
K. Cole

2010 6/1/2018	226.6	Performed annual conditional inspection IAW Vans RV-12 Aircraft Inspection Checklist and BRP Powertrain Maintenance Manual para. 5.1 Maintenance Schedule. Compression tests #1 75, #2 78 #3 76 and #4 78. Performed Vans service bulletin 18-03-06 Replacing throttle return springs. <i>James C. Bantle RLSA 1715189</i>	
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N941KC
Rotax Engine 912 ULS S/N 6782995
Propeller Sensenich Model 2A0R5/R70E

DATE	TIME	DESCRIPTION	SIGNED
27 May 2017		Rotax 912 ULS SN 6782995 TTSN: 136.5 Sensenich Model 2A0R5/R70E Propeller TTSN: 136.5 Performed annual condition inspection IAW VANS RV-12 Maintenance Manual Section 3-Inspection, RV-12 Aircraft Inspection Checklist and BRP-Powertrain Maintenance Manual 05-20-00 5.1) 100 hr. inspection. Replaced 2 each muffler joint springs. Lubed all engine controls. Performed cylinder compression test at 89psig: #1 75, #2 78, #3 76 #4 78. I certify that this engine/propeller has been inspected with reference to the scope and detail of 14 CFR Part 43 Appendix D and CFR 91.409 (a) (1) as part of the inspection of N941KC and was determined to be in condition for safe operation. Signature <u><i>James C. Baillieaux</i></u> AP1826803	
6/13/2017	TT 164.4	Changed Oil with 3 liters Aeroshell Sport+4. Replaced Oil Filter w/ Rotax P/N 825012, inspected filter - no metal. Run OK no leaks. <i>James C. Baillieaux 1715189</i>	
8/15/2017	TT 189.0	Changed Oil with 3 liters Aeroshell Sport+4. Replaced Oil Filter w/ Rotax P/N 825012, inspected removed filter - no metal. Run OK - no leaks. <i>James C. Baillieaux 1715189</i>	
1/7/2018	TT 212.1	Replaced exhaust springs with P/N 938-795 <i>James C. Baillieaux 1715189</i>	
1/8/2018	212.1	CHANGED OIL + FILTER w/ 3 liters Aeroshell Sport+4 AND ROTAX OIL FILTER P/N 825012, INSPECTED REMOVED OIL FILTER, NO METAL FOUND, RUN OK. <i>James C. Baillieaux 1715189</i>	<i>JCB</i>
3/30/2018	221.7	INSTALLED E-Z HEAT, INC AIRCRAFT ENGINE HEATER MODEL 912, OPS CHECK GOOD. <i>James C. Baillieaux 1715189</i> RLSA	
6/4/2018	226.6	Performed annual conditional inspection IAW Vans RV-12 Aircraft Inspection Checklist and BRP Powertrain Maintenance Manual para. 5.1 Maintenance Schedule. Compression tests #1 75, #2 78 #3 76 and #4 78. Performed Vans service bulletin 18-03-06 Replacing throttle return springs. <i>James C. Baillieaux RLSA 1715189</i>	

N941KC
Rotax Engine 912 ULS S/N 6782995
Propeller Sensenich Model 2A0R5/R70E

DATE	TIME	DESCRIPTION	SIGNED
8/19/2018	234.2	CHANGED OIL + FILTER WITH 3 LITERS OF AEROSHELL SPORT+4 AND ROTAX OIL FILTER P/N 825012, INSPECTED REMOVED FILTER-NO METAL. RUN OK - NO LEAKS	 1715189
9/13/2018	237.1	REPLACED RECTIFIER REGULATOR WITH NEW ROTAX P/N 965-349 	
7/1/2019	279.5	Changed oil and oil filter with 3 liters Aeroshell Sport+4 and Rotax Oil Filter P/N 825012. Inspected removed filter-no metal found. Compression checks with cold engine were #1 80/82 #2 79/81 #3 81/83 #4 80/84. Performed annual conditional inspection IAW Vans RV-12 Aircraft Inspection Checklist and BRP Powertrain Maintenance Manual para. 5.1 maintenance schedule. Signature  1715189 RLSA	
3/11/2020	315.6	CHANGED OIL W/ 3 LITERS AEROSHELL SPORT+4 CHANGED OIL FILTER WITH ROTAX OIL FILTER P/N 825012 CHANGED SPARK PLUGS WITH 8 NGK DCPR8E INSPECTED REMOVED OIL FILTER, NO METAL  1715189 RLSA	
11/2/2020	342.4	Performed annual conditional inspection IAW Van's RV-12 Aircraft Inspection Checklist and BRP Powertrain Maintenance Manual para 5.1 maintenance schedule. Compression checks with cold engine were #1 78/80, #2 79/80, #3 79/80, and #4 80/80 Signature  1715189 RLSA	

N941KC
Rotax Engine 912 ULS S/N 6782995
Propeller Sensenich Model 2A0R5/R70E

DATE	TIME	DESCRIPTION	SIGNED
12/6/2020	362.8	CHANGED OIL+FILTER W/ 3 LITERS OF AEROSHELL SPORT+4 AND ROTAX OIL FILTER P/N BZ5016. INSPECTED REMOVED FILTER - NO METAL ENGINE RUN OK - NO LEAKS	James C. Baird 1715189 RLSA
12/30/2020	395.1	REPLACED CARBURETOR FLOATS IN BOTH CARBURETORS WITH FOUR ROTAX FLOATS P/N 861189. ENGINE OPS CHECK OK. COMPLIED WITH VANS S/B 1A-10-14 REV 1	James C. Baird 1715189 RLSA
2/13/2021	414.6	Oil and Filter change with 3 liters AeroShell Sport+4 and Rotax oil filter P/N 825016. Inspected removed oil filter - checked OK no metal. Replaced 8 spark plugs with 8 new NGK DCPR8E spark plugs. Engine run OK with no leaks	James C. Baird 1715189 RLSA
10/16/2021	457.6	Oil and filter change with 3 liters AeroShell Sport+4 and Rotax oil filter P/N 825016. Inspected removed oil filter - checked OK no metal. Engine run OK with no leaks.	James C. Baird 1715189 RLSA
3/19/2022	462.0	Replaced engine water hoses to/ from radiator, hose to coolant overflow, and hose to manifold pressure sensor with Van's Rotax Rubber Hose Kit. Replaced all fuel hoses with Aircraft Specialty Rotax 912 Fuel Hose Kit with 10 yr warranty. Replaced engine fuel pump with Rotax fuel pump Part # 893 115 S/N 21,3577. Replaced 8 spark plugs with new NGK DCPR7E plugs. The 4 carburetor floats weighed between 3.15-3.19 grams. Performed annual conditional inspection IAW Van's RV-12 Aircraft Inspection Checklist and BRP Powertrain Maintenance Manual para. 5.1 maintenance schedule. Compression checks #1 76/80, #2 78/80, #3 78/80, #4 78/80	

Signature James C. Baird 1715189 RLSA

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DATE	TIME	DESCRIPTION	SIGNED
10/15/22	479.4	Oil and filter changed with 3 liters of Aeroshell Sport plus 4 oil and Rotax oil filter part number 82501 Inspected removed oil filter - checked OK no metal. Inspected oil magnetic plug and found no metal. Engine run OK with no leaks	James L. Bradley 1715189RLSA
6/28/2023	501.0	Performed annual conditional inspection IAW Van's RV-12 Aircraft Inspection Checklist and BRP Powertrain Maintenance Manual para. 5.1 maintenance schedule. Compression checks #1 79/80, #2 79/80, #3 79/80, #4 79/80 Signature <u>James L. Bradley</u> 1715189RLSA	
10/20/23	515.8	Oil and filter changed with 3 liters of AeroShell Sport plus 4 oil and A Rotax oil filter part number 82501. Inspected removed oil filter - Checked OK no metal. Inspected oil magnetic oil plug and no Metal present. Engine run OK without leaks. <u>James L. Bradley</u> 1715189RLSA	
10/23/23	516.0	ROTAX 912 ULS, ENGINE S/N: 6782995, INSTALLED ON N941KC DATE: 10/23/2023 ENGINE TMSO: 516.0, AIRCRAFT TACH TIME: 516.0 - PERFORMED CARBUETOR OVERHAUL PER THE ROTAX HEAVY MAINTENANCE (REF. NO. MMH-912) - CARBUETOR BALANCE ADJUSTMENT COMPLETED I CERTIFY THAT THE WORK ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA) ON THIS DATE AND IS FOUND TO BE IN A CONDITION FOR SAFE OPERATION. <u>D. L. Bradley</u> SIGNED Donald L. Bradley, Repairman LSM 3110675 Date: 10/23/23	
4/30/2024	550.1	REPLACE RIGHT EGT PROBE WITH DYNON P/N 100405-001 REV L EGT SENSOR K TYPE W/CLAMP <u>James L. Bradley</u> 1715189RLSA	

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DATE	TIME	DESCRIPTION	SIGNED
8/1/2024	565.5	Performed annual conditional inspection IAW Van's RV-12 Aircraft Inspection Checklist and BRP Powertrain Maintenance Manual para. 5.1 maintenance schedule. Compression checks #1 78/80, #2 78/80, #3 77/80, #4 79/80. Oil & filter changed with 3 liters of Aeroshell Sport plus 4 oil and a Rotex oil filter part number 82501. Inspected removed oil filter - no metal found. Inspected oil magnetic plug and no metal present. Replaced all 8 spark plugs with NKG DCPR8E plugs. Engine run OK. Signature <u>James C Baillieux 1715189RLSA</u>	
3/10/2025	579.9	REPLACED ALL SPARK PLUGS WITH 8 ROTAX P/N 297656. ENGINE RUN OK Signature <u>James C Baillieux 1715189RLSA</u>	1715189RLSA
9/26/25	622.4	Performed annual conditional inspection IAW Van's RV-12 Aircraft Inspection Checklist and BRP Powertrain Maintenance Manual para. 5.1 maintenance schedule. Replaced Rotax spark plugs with 8 new NGK DCPR8E plugs. Compression checks #1 80/80, #2 79/80, #3 80/80, #4 79/80. Oil & filter changed with 3 liters of Aeroshell Sport plus 4 oil and a Rotex oil filter part number 82501. Inspected removed oil filter - no metal found. Inspected oil magnetic plug and no metal present. Engine run OK. Signature <u>James C Baillieux 1715189RLSA</u>	
5/1/2026	661.3	Oil and filter changed with 3 liters of AeroShell Sport plus 4 oil and A Rotax oil filter part number 82501. Inspected removed oil filter - Checked OK no metal. Inspected oil magnetic oil plug and no Metal present. Engine run OK without leaks. Signature <u>James C Baillieux 1715189RLSA</u>	

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Rotax Engine 912 ULS S/N 6782995
Propeller Sensenich Model 2A0R5/R70E

DATE	TIME	DESCRIPTION	SIGNED
5-7-2026 661 hrs. TTSN Maintenance on N941KC Engine serial # 6782995 Aircraft serial # 120595 In accordance with the RV12 and Rotax maintenance manuals this aircraft was inspected for its Annual Condition, 100 hr. inspection and partial Rotax 5 year rubber change. In accordance with the Rotax maintenance manual this aircraft had its required Rotax 5 year rubber replacement program performed. The fuel and oil hoses were Teflon hose. Both these types of hoses are 10 year hoses and then on condition. The main 1" coolant hose had already been replaced. The four 17mm coolant hoses under the cylinders and the top four hoses were replaced. The coolant was replaced with Dex-Cool 50/50 and the reservoir tank filled to 2/3 full. Carbs pneumatically synced. Engine run and idle set at 1750 +/- rpm. All engine operating parameters were normal on startup. No abnormalities noted. Carbs pneumatically synced. Four exhaust springs were worn. Replaced the four exhaust springs, installed safety wire and applied high temp silicone. The carb bowls were removed and they were clean. Both sets of floats weighed 6.2 grams. The idle jets were removed and cleaned. Lubed rod ends and hinges throughout the aircraft. Rotax gearbox friction torque is 462 in/lbs. The mag drop was 110 & 110 rpm on the ignition modules. The oil and filter was just installed and not due. The magnetic plug was inspected and it was clean. Safety wired the magnetic plug back in place. The spark plugs were replaced with NGK DCPR8E plugs. The plugs were gapped to .025 and thermal paste applied. Both the K&N air filters were removed and they were clean. Re-installed and safety wired. Compression test results are: #1 87/86, #2 87/86, #3 87/86, #4 87/86 psi. The brake pads are at approximately 35% - 40%. The front tire was inflated to 22 psi and the mains to 25 psi. All Rotax SB's are current. Next inspection is due by 761 hrs. or the Annual Condition Inspection by 5-31-2027. I certify that this aircraft has been inspected within the scope and detail of the RV12 and Rotax manuals and was found to be in a condition for safe operation. <i>Roger Lee</i> 5/7/2026 Roger Lee RL5M-A Cert. # 3359235 issued 5-28-08			
9/3/2026	680	Oil and Filter Change with 3 Liters of Aeroshell Sport Plus 4 and a Rolex oil filter P/N 82501. Removed and inspected oil magnetic plug and no metal found. Reinstalled and safety wired plug. Inspected removed oil filter, no metal found. Engine run OK without leaks. <i>John Brinley</i> 17K189/ALSA	