

Conformity Inspection Record			1. Project Number, TIA/Request Date: Special Airworthiness Certificate (Amateur built)		2. SHEET 1 of 3 Sheets	
3. Applicant/Manufacturer: Kevin Rehm [REDACTED] Rancho Palos Verde, California 90275			4. Beginning Date: 21-Nov-2022		5. Ending Date: 30-Nov-2022	
6. Model: AG-915 Spartan, s/n.MC.L21.P.1.G.15.AA1008.L. N499AG (gyroplane)			7. Inspected By: David E. Shepherd [REDACTED] [REDACTED]			
8. Item No.	9. Nomenclature of Item Inspected	10. Drawing, Document, Specification, etc.	11. Revision and Date	12. No. of Items Determined		13. Comments
				SAT.	UNSAT.	
1.	Determine that the aircraft is eligible by make and model using AC 20-27G.	FAA Advisory Circular for Amateur Built	Rev.G 30-Sept-2009	1		Validated the build records indicate the owner Kevin Rehm listed as the owner/builder, no commercial help recorded.
2.	Registration: AC Form 8050-3, (Verify with OK. City) Part 47.	FAA Form 8050-3	10-2010	1		Registration issued is current, Issue: 7-Oct-2022 Exp: 31 Oct 2025
3.	AWC authorization number DMS authorization number	FAA authorizations	19-July-2021	1		[REDACTED]
4.	Application for Airworthiness Certificate, FAA form 8130-6. Completed and signed	FAA Form 8130-6 Para. 4-6	(4-11)	1		Application was made by registered owner/builder (Joseph Hurst) application dated 16-Nov-2022. Reviewed for application compliance and found no discrepancies.
5.	The inspection records and technical data reflect that the aircraft conforms to the amateur build design and all required inspections and test have been accomplished.	FAA Order 8130.2J, Para. 3-2, & 2-3, (d)	Rev J 7/21/17	1		Reviewed the records and determined this gyroplane meets the requirements of amateur built under Part 21.191g & AC21-27g. Conformity inspection verification accomplished by DAR David E. Shepherd.
6.	Equipment list current with all installed equipment	FAA Order 8130.2J, Para. 4-2	Rev J 7/21/17	1		Validated the equipment list is current with aircraft configuration. Verified operation of equipment.
7.	Verify that the Weight and Balance has been accomplished.	FAA Order 8130.2J, Para. 4-2	Rev J 7/21/17	1		Validated (W & B) is current. Copy in AWC application file.
8.	Review aircraft records to determine that any required maintenance, inspection, (91.417).	FAA Order 8130.2J, Para. 20-4	Rev J 7/21/17	1		Verified maintenance requirements are current as defined by the owner/builder maintenance manual.
9.	Determine that all AD's have been complied with and recorded.	FAA Order 8130.2J, Para. 20-4	Rev J 7/21/17	1		Verified AD Listing 2022-24
10.	Identification Data plate is correct and matches the information on 8130-6 (Part 45).	FAA Order 8130.2J, Para. 2-3, (e)	Rev J 7/21/17	1		Verified aircraft data plate is marked correctly. Part 45
11.	The aircraft nationality and registration marks are in accordance with Part 45.	FAA Order 8130.2J, Para. 2-3 (e)	Rev J 7/21/17	1		Registration numbers installed per Part 45.
12.	External Markings. (14 CFR, Section 91.9 or STC)	FAA Order 8130.2J, Para. 2-3 (e)	Rev J 7/21/17	1		Verified exterior marking are in compliance with design and flight manual including Experimental placard next to the entrance.
13.	Pilot static system and transponder checks compliance and recorded.	FAA TIA item 5	Rev J 7/21/17	1		Verify equipment and maintenance is recorded in accordance with Part 91.417
14.	Instruments are marked in accordance with the approved Flight Manual (current).	FAA Order 8130.2J, Para. 4-6 (b)	Rev J 7/21/17	1		Verified instrument marking are correct per flight manual.
15.	Verify the flight control at their full range of movement.	FAA Order 8130.2J, Para. 10-1	Rev J 7/21/17	1		Verified movement of flight controls during ground run.
16.	Verify seat and shoulder harness/seat belt installation.	FAA Order 8130.2J, Para. 10-1	Rev J 7/21/17	1		Validated operation, (Dual seat)

Conformity Inspection Record			1. Project Number. TIA/Request Date: Special Airworthiness Certificate (Amateur built)		2. SHEET 4 of 3 Sheets	
3. Applicant/Manufacturer: Kevin Rehm [REDACTED] Rancho Palos Verde, California 90275			4. Beginning Date: 21-Nov-2022		5. Ending Date: 30-Nov-2022	
6. Model: AG-915 Spartan, s/n MC.L 21 P.1 G.15.AA.008.L, N499AG (gyroplane)			7. Inspected By: David E. Shepherd [REDACTED] 0053 [REDACTED]			
8. Item No.	9. Nomenclature of Item Inspected	10. Drawing, Document, Specification, etc.	11. Revision and Date	12. No. of Items Determined		13. Comments
				SAT	UNSAT	
17	Current Aircraft Flight Manual.	FAA Order 8130.2J, Para. 10-1	Rev J 7/21/17	1		Verified current flight manual is placed in the aircraft.
18	Obtain a copy of FAA Form 8130-12 signed and notarized.	FAA Order 8130.2J, Para. 5.2	Rev J 7/21/17	1		Copy obtained signed by the owner/builder Joseph Hurst signed and notarized.
19	Make Log book entry for certificate issued	FAA Order 8130.2J, Para. 10-3 FAA Notice N 8900.576	Rev J 7/21/17 Effective 13/17/20	1		Aircraft Log book record entry made for this Special Airworthiness Certificate, Experimental, Amateur Built issued 28-November-2022.
20	Complete Section V and VIII of FAA form 8130-6. AC 21-12	FAA Order 8130.2J, Para. 10-3 (a)	Rev J 7/21/17	1		Sections V & VIII entry completed.
21	Obtain a copy of the build records from the owner/builder.	AC20-27g	Rev.G 30-Sept-2009	1		Reviewed the build records included in my inspection of the gyroplane with owner/builder build records. Copy of build record included with this file.
22	Examine, review and route certification file to FAA MDO office.	FAA Order 8130.2J, Para. 4-5	Rev J 7/21/17	1		Reviewed data package and entered it into [REDACTED] and [REDACTED]. Closed AWC & DMS for this activity. 30-Nov-2022.
23	Notify FAA for concurrence to issue Special Airworthiness Certificate.	Request sent to Ft. Worth MDO FAA Notice N 8900.576	Effective 13/17/20	1		Informed by Ft. Worth MDO AIR-882 of DAR David E. Shepherd [REDACTED] activity.
24	Verify no denial letter has been issued (aircraft eligibility)		Effective 13/17/20	1		Verified no denial letter has been issued
25	Inspect for potential safety hazards existing	FAA Notice N 8900.576	Effective 13/17/20	1		Verified no potential safety hazards exist in the build of this gyroplane during my inspection.
26	Check for compass and a correction card, and other instruments/avionics as required for intended 14 CFR Part 91 operation.	FAA Order 8130.2J, Para. 10-1	Rev J 7/21/17	1		Verified compass correction card is current.
27	END					

INSTRUCTIONS

1. List the FAA assigned number along with date of TIA or Request for Conformity, as applicable
2. Self-explanatory.
3. List the applicant or the manufacturer, or both. (The manufacturer may be the party producing or responsible for the product).
4. List the date the inspection began.
5. List the date the inspection ended.
6. If inspecting an aircraft, list the make, model, N-number, and serial number. For an engine or propeller, list the make, model, and serial number.
7. Aviation Safety Inspectors must type or print name, sign, and enter office identification. Designees must type or print name, sign, and list their designee identification Number. If using CMIS, the user cannot provide a traditional signature. Populating Block 7 with the required information will demonstrate completion of the form.
8. Assign consecutive numbers for each item inspected.
9. List the name or description of the part, appliance, assembly, drawing, document, specification, or name of the process being evaluated.
10. List the technical data that describes the item listed in Block 9. i.e. drawing number, document number, process specification number, etc.
11. List the revision level and date of the technical data described in Block 10.
12. List the number of items that were determined satisfactory or unsatisfactory. Do not record individual characteristics. **NOTE:** (An item is a single article or unit containing one or more dimensional characteristics or features).
13. Enter comments in this block that will support any information given in Blocks 8 through 12. i.e., unsatisfactory conditions, corrective actions taken, reference to other item numbers listed, serial numbers, type of inspection accomplished, destination of exported products, buyer finished equipment, parts processed through manufacturer's Maintenance facility, part new or newly overhauled, condition of part or assembly, etc.
14. To be used for supplementing items 1-13.

NOTE: Unsatisfactory conditions are corrected in one of two ways.

Method 1: If action is presented to correct an unsatisfactory condition, the action is entered in Block 13 and the number in the UNSAT column of Block 12 is lined through and initialed. The number of items now determined satisfactory is entered in the SAT column next to the corrective action entry.

Method 2: If corrective action is not presented, the inspector may continue the inspection by entering the next item inspected. When corrective action to the unsatisfactory condition is eventually presented, assign the item a new number and record the number in Block 8. Complete Blocks 9 and 10, enter a new revision and date if data has changed, and enter the number of items determined satisfactory in Block 12. Record both the corrective action taken and the item number of the unsatisfactory condition in Block 13. Place the item number in parenthesis. Next, line through and initial the number in the UNSAT column located next to Block 13 containing the unsatisfactory condition. Record the corrective action entry, item number along with the unsatisfactory condition statement and place the number in parenthesis.

15. Continuation Block:

Non-Continuation Block:

**PROGRAM LETTER TO ACCOMPANY APPLICATION FOR
AIRWORTHINESS CERTIFICATE**

TO: Fort Worth MIDO (SW-MIDO-42)

Date: 8-30-22

Fort Worth, Texas 76177

In accordance with section 21.193, I request a Special Airworthiness Certificate for my aircraft for the purpose of operating amateur-built aircraft. The aircraft description is as follows:

Builder: Kevin Allen Rehm Registration Number: N499AB
 Model: AB-915 Spartan Serial Number: MC.L.21.P.1.G.15.AA.006.L
 No. of Engines: 1 No. of Seats: 2
 Design Criteria: my own design , built from plans , built from a kit X.

The aircraft is complete and the following items have been accomplished:

- ☒ Yes No I enclose FAA Form 8130-6 with Sections I, II, and III complete.
- ☒ Yes No I enclose FAA Form 8130-12 with Sections I, II, and III complete and notarized in Section IV.
- ☒ Yes No I possess AC Form 8050-3.
- ☒ Yes No I enclose a three-view drawing or photographs of the aircraft.
- ☒ Yes No I have weighed the aircraft to determine that the most forward and aft center of gravity positions are within established limits. The weight and balance report is available at the aircraft, and a copy is submitted with this application.
- ☒ Yes No I have maintained a construction log for the project, including photographs showing methods of construction and workmanship during the construction. Log entries describe all inspections conducted during construction.
- ☒ Yes No The marking requirements of Part 45 have been complied with, including permanent attachment of a fireproof identification (data) plate, permanent application of appropriate registration marks, and the word "EXPERIMENTAL" displayed near each entrance to the cabin or cockpit.
- ☒ Yes No The following placard is displayed in the cockpit in full view of all occupants (not required for single place aircraft):

"PASSENGER NOTICE - THIS AIRCRAFT IS AMATEUR-BUILT AND DOES NOT COMPLY WITH FEDERAL SAFETY REGULATIONS FOR STANDARD AIRCRAFT"

The aircraft must be completed and ready for flight except for the removal of cowlings. Fairings and inspection covers as if for the annual condition inspection. Access to all connections for flight and engine controls and fuel lines will be accessible. Initial flights will determine engine reliability and flight control characteristics. A test flight plan has been developed using the guidance of AC 90-89 and is available for review.

The aircraft will be ready for inspection at the following location:

Paris, Texas 75460

I request airworthiness certification and operation limitations be issued permitting me to operate the aircraft within the following geographical area for flight testing hours one through twenty at:

Cox Field (KPRX) 6780 Collier Dr, Paris Texas 75462 – Limited to within a radius of 50 NM

As an option to Cox Field I request airworthiness certification and operation limitations be issued permitting me to operate the aircraft within the following geographical area for flight testing hours twenty through forty at:

Chan Gurney Municipal (KTKN) 700 East 31st Street Yankton, SD 57078 – Limited to within a radius of 50 NM

Initial flight will determine engine reliability and flight control characteristics. After Phase one flight test completion, I plan to operate the aircraft under **VFR**.

Signed: [Signature] Date: August 30, 2022

Daytime Phone: [Redacted] Evening Phone: [Redacted]

Email Address (optional) [Redacted]

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION SPECIAL AIRWORTHINESS CERTIFICATE		
CATEGORY/DESIGNATION Experimental		
PURPOSE Amateur Built		
MANU-FACTURER	NAME N/A	
	ADDRESS N/A	
FLIGHT	FROM N/A	
	TO N/A	
N499AG	MODEL AG-915 SPARTAN	SERIAL NO. MC.L.21.P.1.G.15.AA.008.L
BUILDER KEVIN ALLEN REHM		DATE OF ISSUANCE 29/Aug/2022
Unless sooner surrendered, suspended, revoked, or the termination date of Unlimited, this airworthiness certificate is effective under the conditions prescribed in 14 CFR, Part 21, Section 21.181 or 21.217.		
SIGNATURE OF FAA REPRESENTATIVE David Earl Shepherd, 02:58 PM, August 29, 2022		DESIGNATION OR OFFICE NO.
This airworthiness certificate is issued under the authority of Title 49 United States Code 44704 and Title 14 Code of Federal Regulations. Any alteration, misuse or reproduction for a fraudulent purpose of this certificate may be punishable by the certificate revocation, fine and / or imprisonment. THIS PORTION OF THE CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT PER THE APPLICABLE REGULATIONS.		

--Conditions and Limitations--

1. This aircraft does not meet the airworthiness standards of Annex 8 to the Convention on International Civil Aviation. Operations in airspace outside of the United States will require the permission of the applicable foreign authority. That permission must be carried aboard the aircraft together with this U.S. airworthiness certificate and, upon request, be made available to an FAA inspector or the applicable foreign authority in the country of operation. Operations may be further restricted by the applicable foreign authority. This may include not allowing use of an airport, requiring specific routing, and restricting flight over specific areas. The operator must comply with any additional limitation prescribed by the applicable foreign authority when operating in its airspace. (1)
2. These operating limitations do not provide any relief from any applicable law or regulation. This aircraft must be operated per applicable regulations and the additional limitations prescribed herein. Note that a clearance from air traffic control (ATC) is not authorization for a pilot to deviate from any rule, regulation, operating limitation, or minimum altitude, or to conduct unsafe operation of the aircraft. If ATC issues a clearance that would cause a pilot to deviate from a rule, regulation, or operating limitation, or in the pilot's opinion, would place the aircraft in jeopardy, it is the pilot's responsibility to request an amended clearance. These operating limitations are a part of FAA Form 8130-7 and are to be carried in the aircraft at all times and to be available to the pilot in command of the aircraft. (2)
3. This special airworthiness certificate is not in effect during public aircraft operations (PAO). Concurrent public/civil operations are not permitted; the aircraft cannot be operated as a civil aircraft and as a public aircraft at the same time. No weapons or special military mission systems may be added to the aircraft. This airworthiness certificate is not in effect during flights related to providing military services (that is, air combat maneuvering, air-to-air gunnery, target towing, electronic countermeasures simulation, cruise missile simulation, and air refueling). These activities are inherent military, not civil activities. The FAA makes the distinction between the authorized flights for experimental purposes, and PAO. Before operating this aircraft under this special airworthiness certificate following a PAO, the aircraft must be returned to the condition and configuration at the time of inspection for the issuance of this airworthiness certificate. The operator must have written procedures for returning the aircraft to the civil configuration. This action must be documented in the maintenance records. The maintenance records and entries must clearly differentiate between a civil experimental flight per this certificate and any other flights. (3)
4. Application to amend this certificate must be made to the local Flight Standards District Office (FSDO) or Manufacturing Inspection District Office (MIDO). (4)
5. No person may operate this aircraft for other than recreation and education. (5)
6. The pilot in command must hold Select Category category and N/A class certificate or privilege. The pilot in command must hold all required ratings or authorizations and endorsements required by part 61. (7)
7. When filing a flight plan, the experimental nature of this aircraft must be listed in the remarks section. (11)
8. This aircraft must not be used for towing, including, but not limited to glider towing, banner towing, target towing, or towing electronic receivers or emitters. This aircraft must not be used for intentional parachute jumping. (13)
9. If aircraft, engine, or propeller operating limitations are exceeded outside of planned test conditions, an appropriate entry will be made in the maintenance records. (14)

10. No person may operate this aircraft unless within the preceding 12 calendar months it has had a condition inspection performed per the scope and detail of part 43, appendix D, manufacturer or other FAA-approved programs, and was found to be in a condition for safe operation. The inspections must be recorded in the aircraft maintenance records showing the following, or a similarly worded, statement: "I certify that this aircraft has been inspected on [insert date] per the [insert either: scope and detail of part 43, appendix D; or manufacturer's inspection procedures] and was found to be in a condition for safe operation." The entry will include the aircraft's total time-in-service (cycles if appropriate), and the name, signature, certificate number, and type of certificate held by the person performing the inspection. (15)

11. An experimental aircraft builder certificated as a repairman for this aircraft under § 65.104, or an appropriately rated FAA-certificated mechanic, may perform the condition inspection required by these operating limitations. (18)

12. The aircraft may not be operated unless the replacement for life-limited articles specified in the applicable technical publications pertaining to the aircraft and its articles are complied with in one of the following manners:

(a) Type-Certificated Products: Replacement of life-limited parts required by § 91.409(e) applies to experimental aircraft when the required replacement times are specified in the U.S. aircraft specifications or type certificate data sheets.

(b) Non-Type-Certificated Products: All articles installed in non-type-certificated products operated under an airworthiness certificate issued for an experimental purpose, in which the manufacturer has specified limits, must include in their program an equivalent level of safety for those articles. These limits must be evaluated for their current operating environment and addressed in the approved inspection program. All articles installed in non-type-certificated products in which the manufacturer has specified limits, must include in their program an equivalent level of safety for those articles. The article must be inspected to ensure the equivalent level of safety still renders the product in a serviceable condition for safe operation. (20)

13. For aircraft originally incorporating fatigue life recording systems, the owner/operator must maintain and use the system as prescribed by the aircraft manufacturer and comply with the manufacturer's fatigue life limits. (21)

14. After incorporating a major change as described in § 21.93, the aircraft owner is required to reestablish compliance with § 91.319(b) and notify the geographically responsible FSDO of the location of the proposed test area. The aircraft owner must obtain concurrence from the FSDO as to the suitability of the proposed test area. If the major change includes installing a different type of engine (reciprocating to turbine) or a change of a fixed pitch from or to a controllable propeller, the aircraft owner must fill out a revised FAA Form 8130-6 to update the aircraft's file in the FAA Aircraft Registration Branch, AFS-750. All operations must be conducted under day visual flight rules (VFR) conditions over a sparsely populated area in compliance with § 91.305. The aircraft must remain in flight test for a minimum of 5 hours. The FSDO may require additional time (more than 5 hours) depending on the extent of the modification. Persons nonessential to the flight must not be carried. The aircraft owner must make an aircraft maintenance record entry describing the change before the test flight. Following satisfactory completion of the required number of flight hours in the flight test area, the pilot must certify in the records that the aircraft has been shown to comply with § 91.319(b). Compliance with § 91.319(b) must be recorded in the maintenance records with the following, or a similarly worded, statement: "I certify that the prescribed flight test hours have been completed and the aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous characteristics or design features, and is safe for operation." (23)

15. When changing between experimental operating purposes, the operator must determine that the aircraft is in a condition for safe operation and appropriate for the purpose intended. A record entry will be made by an appropriately rated person to document that finding in the maintenance records. (26)

16. This aircraft is prohibited from flight with any externally mounted equipment unless the equipment is mounted in a manner that will prevent in-flight jettison. The aircraft must be configured as documented in the aircraft's flight test records or as allowed in the original manufacturer's, or military operator's aircraft limitations. If relying on the manufacturer's or military data, the aircraft must conform to the manufacturer's design and be maintained to manufacturer's or military instructions. No change in external loading for the aircraft (for example, a change in a pylon, rack, or external store) from configurations approved by the manufacturer or military operator is allowed, except to prevent jettison. Compliance with all manufacturer or original military operator limitations when any external stores or fuel tanks are installed is required. (39)

17. Except for single-place aircraft, the following placard must be displayed in the aircraft in full view of all occupants: "PASSENGER WARNING THIS AIRCRAFT DOES NOT COMPLY WITH FEDERAL SAFETY REGULATIONS FOR STANDARD AIRCRAFT." (41)

-- The following limitations apply during Phase 1:

18. No person may operate this aircraft for other than the purpose of meeting the requirements of § 91.319(b).

The pilot in command must comply with § 91.305 at all times.

This aircraft is to be operated under VMC, day only.

This aircraft must be operated for at least 40 hours with at least 120 takeoffs and landings in this geographical area: This aircraft must be operated in a radius of 25 NM radius of Cox Field Municipal located in Paris Texas for a minimum of 20 flight hours of operation validating the flight performance and handling quality of operations. and at least 120 takeoff and landings under Phase 1 of this operation. The remaining required flight testing 20 hours of flight may be performed (25) NM radius at Chan Gurney Municipal (KTKN) located at 700 East 31st Street, Yankton South Dakota 57078. Aircraft must be trailered to the South Dakota (KTKN) for the remaining flight time. No person may operate this aircraft for other than meeting the requirements of Part 91.319 (b). The pilot in command must comply with Part 91.305 at all times and avoid Class B airspace when possible. The aircraft may be operated (day) VFR only. Upon completion of 20 flight operation hours if the pilot can fully control the aircraft the remaining 20 hours of flight evaluation may be completed in Chan Gurney Municipal (KTKN). Upon completing the full 40 hours of operation the test (pilot) shall make a log book entry stating

the "Phase 1 flight test 40 hours of flight testing and evaluation has been completed" date and time of completion signed by the operating pilot. Phase 2 operation flights are under the responsibility of the owner/operator of the aircraft. Condition inspections shall be performed annually by the builder (repairman certificate) or certificated A&P mechanic from this date (29-August-2022.. (42)

19. Unless operating per FAA AC 90-116, Additional Pilot Program for Phase I Flight Test, only the minimum crew necessary to fly the aircraft during normal operations may be on board. (44)

20. Upon completion of phase I flight testing, compliance with § 91.319(b) must be recorded in the maintenance records. The following or similar statement must be recorded in the maintenance records:

"I certify that the prescribed flight test has been completed and the aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating characteristics or design features, and is safe for operation."

If aerobatic maneuvers are intended to be performed during phase II, those maneuvers must be satisfactorily accomplished and recorded in the maintenance records. Aerobatic flight testing is not complete until sufficient flight experience has been gained to establish that the aircraft is satisfactorily controllable during the aerobatic maneuver tested. Upon completion of flight testing, the owner/operator must make the following or similar entry in the maintenance records:

"I certify that the following aerobatic maneuvers have been test flown, and that the aircraft is controllable throughout the maneuvers' normal range of speeds. The flight-tested aerobatic maneuvers and speeds are _____ at _____, _____ at _____, _____ at _____, and _____ at _____." During phase II operations, aerobatic maneuvers that were not documented per this limitation may not be performed. The owner may place the aircraft back into phase I for the sole purpose of adding additional aerobatic maneuvers to the aircraft authorized maneuvers. (45)

21. If the aircraft will have removable externally mounted equipment, it must be test flown in all configurations. An entry must be made in the maintenance records indicating the configurations flight tested, unless the original manufacturer's flight test data for that equipment is included in the aircraft limitations. If relying on the manufacturer's data, the aircraft and load must conform to the manufacturer's design and be maintained to manufacturer's instructions. Otherwise, the aircraft owner/operator must conduct test flights in all configurations and make an entry in the maintenance records indicating the configurations flight tested. (46)

-End-

US Department
of Transportation
Federal Aviation
Administration**ELIGIBILITY STATEMENT
AMATEUR-BUILT AIRCRAFT**Instructions: Print or type all information except signature.
Submit original to an authorized FAA representative.
Applicant completes Section I thru III. Notary Public
Completes Section IV.**I. REGISTERED OWNER INFORMATION**Name(s) Limited Gyroplanes LLC / Kevin Allen Rehm, Memeber-Manager-PresidentAddress(es) [REDACTED] Rancho Palos Verdes, California 90275

No. & Street

City

State

Zip

Telephone No.(s) [REDACTED]

Residence

Business

II. AIRCRAFT INFORMATIONModel AG 915 SpartanEngine(s) Make RotaxAssigned Serial No. MC.L.21.P.1.G.15.AA.008.LEngine(s) Serial No. 9133375Registration No. N499AGProp./Rotor(s) Make AutoGyro / Gyro-TechAircraft Fabricated: Plan ☐ Kit ☒Prop./Rotor(s) Serial No.(s) P74-20-18 / 01032021/01**III. MAJOR PORTION ELIGIBILITY STATEMENT OF APPLICANT**

I certify that the major portion of this aircraft (identified in Section II above) was fabricated and assembled by

Kevin Allen Rehm

Names of all builders (Please Print)

solely for my (our) education or recreation, in accordance with 14 CFR part 21, Certification Procedures for Products and Parts, § 21.191(g), Operating amateur-built aircraft. I have records to support this statement and will make them available to the FAA upon request.

During the fabrication and assembly of this project, I/we used the following commercial assistance (mark N/A if no commercial assistance was used):

Jim HankinsParis, Texas

Name of company or individual(s)

City & State

Phone

Name of company or individual(s)

City & State

Phone

-NOTICE-

Whoever in any matter within the jurisdiction of the executive, legislative, or judicial branch of the Government of the United States, knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or who makes any materially false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing the same to contain any materially false, fictitious or fraudulent statement or entry, shall be fined under this title, imprisoned not more than 5 years or, if the offense involves international or domestic terrorism, imprisoned not more than 8 years, or both.

(U.S. Code, Title 18, Sec. 1001)

APPLICANT'S DECLARATION

I hereby certify that all statements and answers provided by me in this statement form are complete and true to the best of my knowledge, and I agree that they are to be considered part of the basis for issuance of any FAA certificate to me. I have also read and understand the Privacy Act statement that accompanies this form.

Signature of Applicant (to be signed by applicant)

Date

8-22-22**IV. NOTARIZATION STATEMENT***This document was signed and sworn before me in the State of South Dakota, on the 22nd day of August, 2022.**Notary Public**My Commission Expires: 1-15-2028*

 U.S. Department of Transportation Federal Aviation Administration		APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE		INSTRUCTIONS - Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use attachment. For special flight permits complete sections II, VI, and VII as applicable.	
I. AIRCRAFT DESCRIPTION	1. REGISTRATION MARKS N499AG		2. AIRCRAFT BUILDER'S NAME (Make) KEVIN ALLEN REHM		3. AIRCRAFT MODEL DESIGNATION AG-915 SPARTAN
	5. AIRCRAFT SERIAL NO. MC.L.21.P.1.G.15.AA.008.L		6. ENGINE BUILDER'S NAME (Make) ROTAX		7. ENGINE MODEL DESIGNATION 915 IS
	8. NUMBER OF ENGINES 1		9. PROPELLER BUILDER'S NAME (Make) AutoGyro		10. PROPELLER MODEL DESIGNATION HTC
				4. YR. MFG 2022	
				11. AIRCRAFT IS IMPORT (Check if applicable) ☐ IMPORT	
APPLICATION IS HEREBY MADE FOR (Check applicable items)					
A ☐ STANDARD AIRWORTHINESS CERTIFICATE (Indicate category) ☐ NORMAL ☐ UTILITY ☐ ACROBATIC ☐ TRANSPORT ☐ COMMUTER ☐ BALLOON ☐ OTHER					
B ☒ SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)					
7 ☐ PRIMARY					
9 ☐ LIGHT-SPORT (Indicate Class) ☐ Airplane ☐ Powered-Parachute ☐ Weight-Shift-Control ☐ Glider ☐ Lighter than Air					
2 ☐ LIMITED					
5 ☐ PROVISIONAL (Indicate Class) ☐ Class I ☐ Class II					
3 ☐ RESTRICTED (Indicate operation(s) to be conducted) ☐ 1 AGRICULTURE AND PEST CONTROL ☐ 2 AERIAL SURVEY ☐ 3 AERIAL ADVERTISING					
☐ 4 FOREST (Wildlife conservation) ☐ 5 PATROLLING ☐ 6 WEATHER CONTROL					
☐ 0 OTHER (Specify)					
4 ☒ EXPERIMENTAL (Indicate operation(s) to be conducted) ☐ 1 RESEARCH AND DEVELOPMENT ☒ 2 AMATEUR BUILT ☐ 3 EXHIBITION					
☐ 4 AIR RACING ☐ 5 CREW TRAINING ☐ 6 MARKET SURVEY					
☐ 0 SHOW COMPLIANCE WITH THE CFR ☐ 7 OPERATING (primary category) KIT BUILT AIRCRAFT					
8 ☐ SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side) ☐ 8A Existing aircraft without an airworthiness certificate & do not meet § 103.1					
☐ 8B Operating Light-Sport Kit-built					
☐ 8C Operating Light-Sport previously issued special light-sport category airworthiness certificate under § 21.190					
☐ 9 UNMANNED AIRCRAFT ☐ 9A RESEARCH AND DEVELOPMENT					
☐ 9B MARKET SURVEY ☐ 9D EXHIBITION					
☐ 9C CREW TRAINING ☐ 9E SHOW COMPLIANCE WITH THE CFR					
☐ 1 FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE, OR STORAGE					
☐ 2 EVACUATE FROM AREA OF IMPENDING DANGER					
☐ 3 OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT					
☐ 4 DELIVERING OR EXPORTING ☐ 5 PRODUCTION FLIGHT TESTING					
☐ 6 CUSTOMER DEMONSTRATION FLIGHTS					
C ☐ MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited" as applicable)					
A. REGISTERED OWNER (As shown on certificate of aircraft registration) ☐ IF DEALER, CHECK HERE					
NAME LIMITED GYROPLANES LLC			ADDRESS [REDACTED] RCH PALOS VRD, California, 90275-2101, United States		
B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)					
☐ AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No. and Revision No.) N/A			☒ AIRWORTHINESS DIRECTIVES (Check if all applicable ADs are complied with and give the number of the last AD SUPPLEMENT available in the biweekly series as of the date of application) 2022-16		
☐ AIRCRAFT LISTING (Give page number(s)) N/A			☐ SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated) N/A		
C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS					
☒ CHECK IF RECORDS IN COMPLIANCE WITH 14 CFR 91.417			TOTAL AIRFRAME HOURS 0		☐ 3 EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed) 0
D. CERTIFICATION - I hereby certify that I am the registered owner (or his agent) of the aircraft described above, that the aircraft is registered with the Federal Aviation Administration in accordance with Title 49 of the United States Code 44101 et seq. and applicable Federal Aviation Regulations, and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.					
DATE OF APPLICATION Aug 22, 2022		NAME AND TITLE (Print or type) Rehm, Kevin Allen (Owner / Builder)		SIGNATURE [REDACTED] Kevin Rehm, 01:46 PM, August 22, 2022	
IV. INSPECTION AGENCY VERIFICATION					
A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if 14 CFR 21.183(d) applies)					
2 ☐ 14 CFR part 121 CERTIFICATE HOLDER (Give No.)		3 ☐ CERTIFICATED MECHANIC (Give Certificate No.)		6 ☐ CERTIFICATED REPAIR STATION (Certificate No.)	
5 ☐ AIRCRAFT MANUFACTURER (Give name)					
DATE		TITLE		SIGNATURE	
V. FAA REPRESENTATIVE CERTIFICATION					
(Check ALL applicable block items A and B)					
A. I find that the aircraft described in Section I or VII meets requirements for				☒ THE CERTIFICATE REQUESTED ☐ AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE	
B. Inspection for a special flight permit under Section VII was conducted by:		FAA INSPECTOR		FAA DESIGNEE	
		CERTIFICATE HOLDER UNDER		14 CFR part 65	
DATE Aug 29, 2022		MIDO/FSDO OFFICE MIDO AIR-882		14 CFR part 121 or 135	
		FAA INSPECTOR'S SIGNATURE AND NO. David Earl Shepherd (788872045)		14 CFR part 145	
		4 [REDACTED] David Earl Shepherd, 08:15 AM, September 03, 2022		FAA INSPECTOR'S CERTIFICATION FILE REVIEW SIGNATURE [REDACTED]	
				1 [REDACTED]	

VI. PRODUCTION FLIGHT TESTING	A. MANUFACTURER	
	NAME	ADDRESS
	B. PRODUCTION BASIS <i>(Check applicable item)</i>	
	☐ PRODUCTION CERTIFICATE <i>(Give production certificate number)</i>	
VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST	☐ TYPE CERTIFICATE	
	☐ OTHER	
	C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS	
	DATE	NAME AND TITLE (Print or type)
	SIGNATURE	
	A. DESCRIPTION OF AIRCRAFT	
	REGISTERED OWNER	ADDRESS
	BUILDER (Make)	MODEL
	SERIAL NUMBER	REGISTRATION MARK
	B. DESCRIPTION OF FLIGHT	
CUSTOMER DEMONSTRATION FLIGHTS ☐ <i>(Check if applicable)</i>		
FROM	TO	
VIA	DEPARTURE DATE	
DURATION		
C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT		
☐ PILOT ☐ COPILOT ☐ FLIGHT ENGINEER ☐ OTHER <i>(Specify)</i>		
D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:		
E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION <i>(Use attachment if necessary)</i>		
F. CERTIFICATION - I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Title 49 of the United States Code 44101 <u>et seq.</u> and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is safe for the flight described.		
DATE		
NAME AND TITLE (Print or type)		
SIGNATURE		
VIII. AIRWORTHINESS DOCUMENTATION (FAA/DESIGNEE USE ONLY)	☒ A. Operating Limitations and Markings in Compliance with 14 CFR Section 91.9, as applicable.	☐ G. Statement of Conformity, FAA Form 8130-9 <i>(Attach when required)</i>
	☐ B. Current Operating Limitations Attached	☐ H. Foreign Airworthiness Certification for Import Aircraft <i>(Attach when required)</i>
	☒ C. Data, Drawings, Photographs, etc. <i>(Attach when required)</i>	☐ I. Previous Airworthiness Certificate Issued in Accordance With
	☒ D. Current Weight and Balance information Available in Aircraft	14 CFR Section _____ CAR _____ <i>(Original attached)</i>
	☐ E. Major Repair and Alteration, FAA Form 337 <i>(Attach when required)</i>	☒ J. Current Airworthiness Certificate Issued in Accordance With
	☒ F. This Inspection Recorded in Aircraft Records	14 CFR Section <u>21.191 (g)</u> <i>(Copy attached)</i>
☐ K. Light-Sport Aircraft Statement of Compliance, FAA form 8130-15 <i>(Attach copy when required)</i>		

Amateur-Built Fabrication and Assembly Checklist (2011)

Gyroplane

Name(s): Kevin Allen Rehm

Address: [REDACTED] RAV, CA

Aircraft Model: AB 915 Spartan

Date: August 29, 2022

Remarks: I Kevin Allen Rehm am
The builder of this
AB 915 Spartan
August 29, 2022

NOTE: This checklist is only applicable to Gyroplane aircraft. Evaluation of other types of aircraft (i.e., Fixed Wing, Weight Shift Control, Balloons, Lighter than air) will not be accomplished with this form.

NOTE: This checklist is invalid for and will not be used to evaluate an altered or modified type certificated aircraft with the intent to issue an Experimental Amateur-built Airworthiness Certificate. Such action violates FAA policy and DOES NOT meet the intent of § 21.191(g).

Instructions For Using The Amateur-Built Fabrication and Assembly Checklist (2011):

A point (each task equals 1 point) can be divided over multiple categories (Manufacturer, Commercial Assistance, Amateur Builder Assembly and Amateur Builder Fabrication) into 1/10 fractions. A Manufacturer may be a kit manufacturer, a component manufacturer or a part(s) manufacturer. Commercial assistance (for hire or compensation) may include assistance provided by kit manufacturers, commercial assistance centers, individuals (e.g. A & P mechanics or avionics technicians).

For example, 0.5 (half point) can be assigned to the Manufacturer, 0.3 (3/10 - 3 tenths) as Commercial Assistance, 0.2 to the Amateur Builder as Fabrication, for a total of 1 point.

Enter "N/A" in any box where a listed task is not applicable to the particular aircraft being evaluated. Use the "Add item" boxes at the end of each section to add applicable unlisted tasks and award credit.

FABRICATION AND ASSEMBLY TASKS		A	B	C	D
		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
		Component	Assistance	Assembly	Fabrication
Task	Airframe and Enclosure – 15 Listed Tasks				
A1	Fabricate Basic Airframe Structural Components (Usually Metal Frame)	/			
A2	Assemble Basic Airframe Structure			/	
A3	Fabricate All Airframe/Enclosure Brackets and Fittings	/			

FABRICATION AND ASSEMBLY TASKS		A	B	C	D
		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
		Component	Assistance	Assembly	Fabrication
Task	Propulsion – 22 Listed Tasks				
P1	Fabricate Engine Mounts	/			
P2	Assemble Engine Mounts to Next Level Structure			/	
P3	Fabricate Engine Cooling System/Baffles	/			
P4	Assemble Engine Cooling System Baffles to Engine			/	
P5	Fabricate Induction System	/			
P6	Assemble Induction System to Engine			/	
P7	Fabricate Exhaust System	/			
P8	Assemble Exhaust System to Propulsion System			/	
P9	Fabricate Engine Controls	/			
P10	Assemble Engine Controls to Next Level Structure			/	
P11	Fabricate All Engine Compartment Brackets and Fittings	/			
P12	Assemble Brackets and Fittings to Next Level Structure			/	
P13	Fabricate Cables, Wires and Lines	/			
P14	Assemble Cables, Wires and Lines to Next Level Structure			/	
P15	Fabricate Firewall (includes blanket or overlay)	N/A			
P16	Assemble Firewall to Airframe	N/A			
P17	Assemble Engine (Likely N/A)	N/A			
P18	Assemble Engine to Engine Mount			/	
P19	Fabricate Spinner Components	N/A			
P20	Assemble Propeller and Spinner to Engine			/	
P21	Fabricate Engine Cowling	/			
P22	Assemble Engine Cowling to Airframe			/	
P23	Add Fab item:				
P24	Add Assy item:				
P25	Add Fab item:				
P26	Add Assy item:				
Total # of Propulsion Tasks	<u>Propulsion Subtotal</u>	Mfr Kit/Part/ Component	Commercial Assistance	Am-Builder Assembly	Am-Builder Fabrication
18	Propulsion Total Points ►	8		10	
Propulsion Comments:					

FABRICATION AND ASSEMBLY TASKS		A	B	C	D
		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
		Component	Assistance	Assembly	Fabrication
Task Landing Gear – 9 Listed Tasks					
L1	Fabricate Landing Gear Brackets and Fittings	1			
L2	Assemble Landing Gear Brackets and Fittings to Landing Gear System	.8		.2	
L3	Fabricate Struts or Leg Components	N/A			
L4	Fabricate Landing Gear System Cables/Lines	N/A			
L5	Assemble Landing Gear System Cables/Lines to Next Level Structure			1	
L6	Assemble Wheels, Tires and Brakes to Landing Gear	1			
L7	Fabricate Fairings/Wheel Pants	N/A			
L8	Assemble Fairings/Wheel Pants to Wheels	N/A			
L9	Assemble Landing Gear to Next Level Structure	.8		.2	
L10	Add Fab item:				
L11	Add Assy item:				
Total # of Land Gear Tasks	<u>Landing Gear Subtotal</u>	Mfr Kit/Part/ Component	Commercial Assistance	Am-Builder Assembly	Am-Builder Fabrication
5	<u>Landing Gear Total Points ►</u>	3.6		1.4	
Landing Gear Comments:					

FABRICATION AND ASSEMBLY TASKS		A	B	C	D
		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
		Component	Assistance	Assembly	Fabrication
A4	Assemble Brackets and Fittings to Airframe/Enclosure			/	
A5	Fabricate Enclosure (Composite or Metal Seating Area)	N/A			
A6	Assemble Enclosure	N/A			
A7	Fabricate Enclosure Covering or Skin	N/A			
A8	Assemble Enclosure Covering/Skin to Enclosure	N/A			
A9	Assemble Enclosure to Next Level Structure			/	
A10	Fabricate Windshield or Windscreen	/			
A11	Assemble Windshield or Windscreen to Enclosure	/			
A12	Fabricate Doors/Canopy and Window Components	/			
A13	Assemble Doors/Canopy and Window Components to Next Level Structure	/			
A14	Fabricate Fuel Tank	/			
A15	Assemble Fuel Tank to Next Level Structure			/	
A16	Add Fab item:				
A17	Add Assy item:				
A18	Add Fab item:				
A19	Add Assy item:				
Total # of Airframe Tasks	<u>Airframe/Enclosure Subtotal</u>	Mfr Kit/Part/Component	Commercial Assistance	Am-Builder Assembly	Am-Builder Fabrication
//	<u>Airframe/Enclosure Total Points</u> ►	7		4	
Airframe Comments:					

FABRICATION AND ASSEMBLY TASKS		A	B	C	D
		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
		Component	Assistance	Assembly	Fabrication
Task Rotor – 9 Listed Tasks					
R1	Assemble Rotor Blades to Hub Bar			/	
R2	Assemble Components to Form Rotor Head			/	
R3	Assemble Rotor Head/Teeter Hinge to Next Level Structure			/	
R4	Assemble Rotor Bearing Block/Spindle to Next Level Structure			/	
R5	Assemble Pitch/Roll Hinge Components to Next Level Structure			/	
R6	Fabricate Pre-rotator Components	/			
R7	Assemble Prerotator System to Next Level Structure			/	
R8	Fabricate Jump Takeoff Components	N/A			
R9	Assemble Jump Takeoff Components to Next Level Structure	N/A			
R10	Add Fab item:				
R11	Add Assy item:				
Total # of Rotor Tasks	<u>Rotor Subtotal</u>	Mfr Kit/Part/Component	Commercial Assistance	Am-Builder Assembly	Am-Builder Fabrication
7	<u>Rotor Total Points ►</u>	1		6	
Rotor Comments:					

FABRICATION AND ASSEMBLY TASKS		A	B	C	D
		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
		Component	Assistance	Assembly	Fabrication
Task Tail Group – 17 Listed Tasks					
T1	Fabricate Horizontal Stabilizer Structural Components (Spars, Ribs, Framing or Composite Materials)	1			
T2	Assemble Structural Components to Form Horizontal Stabilizer Basic Structure			1	
T3	Fabricate Horizontal Stabilizer Covering or Skin	N/A			
T4	Assemble Covering or Skin to Horizontal Stabilizer	N/A			
T5	Assemble Horizontal Stabilizer to Next Level Structure			1	
T6	Fabricate Vertical Stabilizer Structural Components (Spars, Ribs, Framing, Composite Materials, etc.)	N/A			
T7	Assemble Structural Components to Form Basic Vertical Stabilizer Structure			1	
T8	Fabricate Vertical Stabilizer Covering or Skin	N/A			
T9	Assemble Covering or Skin to Vertical Stabilizer	N/A			
T10	Assemble Vertical Stabilizer to Next Level Structure			1	
T11	Fabricate Rudder Structural Components (Spars, Ribs, Framing, Composite Materials, etc.)	1			
T12	Assemble Structural Components to Form Basic Rudder Structure			1	
T13	Fabricate Rudder Covering or Skins	N/A			
T14	Assemble Covering or Skins to Rudder	N/A			
T15	Assemble Rudder to Vertical Stabilizer			1	
T16	Fabricate All Tail Group Trim Tab Components	N/A			
T17	Assemble All Trim Tab Components to Next Level Structure	N/A			
T18	Add Fab item:				
T19	Add Assy item:				
T20	Add Fab item:				
T21	Add Assy item:				
Total # of Tail Group Tasks	Tail Group Subtotal	Mfr Kit/Part/Component	Commercial Assistance	Am-Builder Assembly	Am-Builder Fabrication
8	Tail Group Total Points ►	2		6	
Tail Group Comments:					

FABRICATION AND ASSEMBLY TASKS		A	B	C	D
		Mfr Kit/Part/	Commercial	Am-Builder	Am-Builder
		Component	Assistance	Assembly	Fabrication
Task	Cockpit/Flight Controls 24 Listed Tasks				
C1	Fabricate Instrument Panel	/			
C2	Fabricate Instrument Sub Panels, Brackets and Fittings	N/A			
C3	Assemble Instrument Panels, Brackets and Fittings to Next Level Structure			/	
C4	Fabricate Seats	/			
C5	Assemble Seats Next Level Structure			/	
C6	Fabricate All Seat Belts/Harnesses Brackets and Fittings	/			
C7	Assemble Seat Belts/Harnesses, Brackets and Fittings to Next Level Structure			/	
C8	Fabricate Electrical System Wiring, Controls and Switches	/			
C9	Assemble Electrical System Wiring, Controls and Switches to Next Level Structure			/	
C10	Fabricate Floor Panels	N/A			
C11	Assemble Floor Panels to Next Level Structure	N/A			
C12	Fabricate Rudder Pedal Components	/			
C13	Assemble Rudder Pedal Components Together to Form Rudder Pedal Assembly			/	
C14	Assemble Rudder Pedal Assy to Next Level Structure			/	
C15	Fabricate All Flight Control Tubes/Cables	/			
C16	Assemble All Flight Control Tubes/Cables to Next Level Structure			/	
C17	Fabricate Pitch/Roll Control Stick Components	/			
C18	Assemble Pitch/Roll Control Stick Components to Next Level Structure			/	
C19	Fabricate Rotor Trim Control Components	/			
C20	Assemble Rotor Trim Control System to Next Level Structure			/	
C21	Fabricate Rotor Brake Components	/			
C22	Assemble Rotor Brake System to Next Level Structure			/	
C23	Fabricate Cables, Wires and Lines	/			
C24	Assemble Cables, Wires and Lines to Next Level Structure			/	
C25	Add Fab item:				
C26	Add Assy item:				
C27	Add Fab item:				
C28	Add Assy item:				
Total # of Cockpit Tasks	Cockpit/Flight Controls Subtotal	Mfr Kit/Part/Component	Commercial Assistance	Am-Builder Assembly	Am-Builder Fabrication
21	Cockpit/Flight Controls Total Points ►	10		11	
Cockpit Comments:					

Total # of Aircraft Tasks	
	◀ SUM #1

► TOTAL TASKS AND LINE ITEMS



FABRICATION AND ASSEMBLY SUMMARY	A	B	C	D
	Mfr Kit/Part/Component	Commercial Assistance	Am Builder Assembly	Am Builder Fabrication
1. Total Number of Aircraft Tasks (Note 1)	(SUM #1) ► 70			
2. Total Points for Each Category. (Note 2)	31.6		38.4	
3. Total Points for Complete Aircraft Construction (SUM # 2 should equal SUM # 1 above). (Note 3)	(SUM #2) ►			
4. Percentage of Each Category as Part of Total Aircraft Construction. (Note 4)	45%		55%	
5. Total Percentages for Complete Aircraft Construction (Add all percentages in row 4) Total should equal 100% (± . 5%). (Note 5)		100%		
6. Total Builder Points – Add points in row 2, column C and D only, together. (Note 6)			38.4	
7. Total Builder Percentage – Add percentages in row 4, columns C and D only, together. (Note 7)			55%	

NOTES: Instructions For Completing Fabrication and Assembly Checklist Summary

1. TOTAL NUMBER OF AIRCRAFT TASKS (Sum #1): To find the total points awarded for all tasks, add together the six individual "Total # of Tasks" blocks located at the bottom left of each aircraft tasks section.

2: TOTAL POINTS FOR EACH CATEGORY: [Columns A, B, C and D]. Each columns' total points are tallied by adding the sum of the points awarded in each respective column for each of the tasks in the section (Fuselage, Wings, Empennage, Landing Gear, Propulsion and Cockpit). Include points assigned to 'Additional Items' at the end of each section. Boxes with a N/A (not applicable) or an asterisk, have zero points.

3: TOTAL POINTS FOR COMPLETE AIRCRAFT CONSTRUCTION: (SUM#2) In row 3 of the Summary section, add together the numbers in each block on row2, tallied from each of the four column category totals, (Columns A+B+C+D). Compare SUM #1 to SUM #2. SUM #1 should be equal to SUM #2, (Verify the two sums are equal within a deviation of ± 0.5). Total points will vary from aircraft to aircraft depending on number of add items and N/As (Not Applicable) applied. (e.g., 133 listed task points, plus 5 Add items, minus 22 N/As = 116 tasks)

Conformity Inspection Record		1. Project Number, TIA/Request Date: Special Airworthiness Certificate (Amateur built)		2. SHEET 1 of 3 Sheets		
3. Applicant/Manufacturer: Kevin Rehm [REDACTED] Rancho Palos Verde, California 90275			4. Beginning Date: 23-Aug-2022		5. Ending Date: 4-Sept-2022	
6. Model: AG-915 Spartan, s/n MC.L21.P.1.G.15.AA.008.L, N499AG (gyroplane)			7. Inspected By: [REDACTED] David E. Shepherd			
8. Item No.	9. Nomenclature of Item Inspected	10. Drawing, Document, Specification, etc.	11. Revision and Date	12. No. of Items Determined		13. Comments
				SAT	UNSAT	
1.	Determine that the aircraft is eligible by make and model using AC 20-27G.	FAA Advisory Circular for Amateur Built	Rev G 30-Sept-2009	1		Validated the build records indicate the owner Kevin Rehm listed as the owner/builder, no commercial help recorded.
2.	Registration: AC Form 8050-3, (Verify with OK City) Part 47.	FAA Form 8050-3	10-2010	1		Registration issued is current, Issue: 19-Aug-2022 Exp: 31-Aug-2025
3.	AWC authorization number DMS authorization number	FAA authorizations	19-July-2021	1		[REDACTED]
4.	Application for Airworthiness Certificate, FAA form 8130-6. Completed and signed	FAA Form 8130-6 Para. 4-6	(4-11)	1		Application was made by registered owner/builder (Kevin Rehm), application dated 22-August-2022. Reviewed for compliance and found no discrepancies.
5.	The inspection records and technical data reflect that the aircraft conforms to the amateur build design and all required inspections and test have been accomplished.	FAA Order 8130.2J, Para. 3-2, & 2-3, (d)	Rev J 7/21/17	1		Reviewed the records and determined this gyroplane meets the requirements of amateur built under Part 21.191g & AC21-27g. Conformity inspection verification accomplished by DAR David Shepherd.
6.	Equipment list current with all installed equipment	FAA Order 8130.2J, Para. 4-2	Rev J 7/21/17	1		Validated the equipment list is current with aircraft configuration. Verified operation of equipment.
7.	Verify that the Weight and Balance has been accomplished.	FAA Order 8130.2J, Para. 4-2	Rev J 7/21/17	1		Validated (W & B) is current. Copy in AWC file.
8.	Review aircraft records to determine that any required maintenance, inspection, (91.417).	FAA Order 8130.2J, Para 20-4	Rev J 7/21/17	1		Verified maintenance requirements are current as defined by the owner/builder.
9.	Determine that all AD's have been complied with and recorded.	FAA Order 8130.2J, Para. 20-4	Rev J 7/21/17	1		Verified AD Listing 2022-18
10.	Identification Data plate is correct and matches the information on 8130-6 (Part 45).	FAA Order 8130.2J, Para. 2-3, (e)	Rev J 7/21/17	1		Verified aircraft data plate is marked correctly. Part 45
11.	The aircraft nationally and registration marks are in accordance with Part 45.	FAA Order 8130.2J, Para. 2-3 (e)	Rev J 7/21/17	1		Registration numbers installed per Part 45.
12.	External Markings (14 CFR, Section 91.9 or STC)	FAA Order 8130.2J, Para. 2-3 (e)	Rev J 7/21/17	1		Verified exterior marking are in compliance with design and flight manual including Experimental placard next to the entrance.
13.	Pitot static system and transponder checks compliance and recorded.	FAA TIA item 5	Rev J 7/21/17	1		Verify equipment and maintenance is recorded in accordance with Part 91.417.
14.	Instruments are marked in accordance with the approved Flight Manual (current).	FAA Order 8130.2J, Para. 4-6 (b)	Rev J 7/21/17	1		Verified instrument marking are correct per flight manual.
15.	Verify the flight control at their full range of movement.	FAA Order 8130.2J, Para. 10-1	Rev J 7/21/17	1		Verified movement of flight controls during ground run.
16.	Verify seat and shoulder harness/seat belt installation.	FAA Order 8130.2J, Para. 10-1	Rev J 7/21/17	1		Validated operation. (Dual seat)

Conformity Inspection Record			1. Project Number, TIA/Request Date: Special Airworthiness Certificate (Amateur built)		2. SHEET 2 of 3 Sheets	
3. Applicant/Manufacturer: Kevin Rehm [REDACTED] Rancho Palos Verde, California 90275			4. Beginning Date: 23-Aug-2022		5. Ending Date: 4-Sept-2022	
6. Model: AG-915 Spartan, s/n MC.L.21.P.1.G.15.AA.008.L, N499AG (gyroplane)			7. Inspected By: [REDACTED] David E. Shepherd			
8. Item No.	9. Nomenclature of Item Inspected	10. Drawing, Document, Specification, etc.	11. Revision and Date	12. No. of Items Determined		13. Comments
				SAT.	UNSAT.	
17.	Current Aircraft Flight Manual.	FAA Order 8130.2J, Para. 10-1	Rev J 7/21/17	1		Verified current flight manual is placed in the aircraft.
18.	Obtain a copy of FAA Form 8130-12 signed and notarized.	FAA Order 8130.2J, Para. 5.2	Rev J 7/21/17	1		Copy obtained signed by the owner/builder Kevin Rehm and notarized.
19.	Make Log book entry for certificate issued.	FAA Order 8130.2J, Para. 10-3 FAA Notice N 8900.576	Rev J 7/21/17 Effective 13/17/20	1		Aircraft Log book record entry made for this Special Airworthiness Certificate, Experimental, Amateur Built issued 29-August-2022.
20.	Complete Section V and VIII of FAA form 8130-6. AC 21-12	FAA Order 8130.2J, Para. 10-3 (a)	Rev J 7/21/17	1		Sections V & VIII entry completed.
21.	Obtain a copy of the build records from the owner/builder.	AC20-27g	Rev.G 30-Sept-2009	1		Reviewed the build records included in my inspection of the gyroplane with owner/builder build records. Copy of build record included with this file.
22.	Examine, review and route certification file to FAA MIDO office.	FAA Order 8130.2J, Para. 4-6	Rev J 7/21/17	1		Reviewed data package and entered it into AWC. Closed AWC & DMS for this activity. 4-Sept-2022.
23.	Notify FAA for concurrence to issue Special Airworthiness Certificate.	Request sent to Ft. Worth MIDO FAA Notice N 8900.576	Effective 13/17/20	1		Informed by Ft. Worth MIDO AIR-682 of DAR David E. Shepherd [REDACTED] activity.
24.	Verify no denial letter has been issued (aircraft eligibility)		Effective 13/17/20	1		Verified no denial letter has been issued.
25.	Inspect for potential safety hazards existing	FAA Notice N 8900.576	Effective 13/17/20	1		Verified no potential safety hazards exist in the build of this gyroplane during my inspection.
26.	Check for compass and a correction card, and other instruments/avionics as required for intended 14 CFR Part 91 operation.	FAA Order 8130.2J, Para. 10-1	Rev J 7/21/17	1		Verified compass correction card is current.
27.	END					

INSTRUCTIONS

1. List the FAA assigned number along with date of TIA or Request for Conformity, as applicable.
2. Self-explanatory.
3. List the applicant or the manufacturer, or both. (The manufacturer may be the party producing or responsible for the product).
4. List the date the inspection began.
5. List the date the inspection ended.
6. If inspecting an aircraft, list the make, model, N-number, and serial number. For an engine or propeller, list the make, model, and serial number.
7. Aviation Safety Inspectors must type or print name, sign, and enter office identification. Designees must type or print name, sign, and list their designee identification Number. If using CMIS, the user cannot provide a traditional signature. Populating Block 7 with the required information will demonstrate completion of the form.
8. Assign consecutive numbers for each item inspected.
9. List the name or description of the part, appliance, assembly, drawing, document, specification, or name of the process being evaluated.
10. List the technical data that describes the item listed in Block 9. i.e. drawing number, document number, process specification number, etc.
11. List the revision level and date of the technical data described in Block 10.
12. List the number of items that were determined satisfactory or unsatisfactory. Do not record individual characteristics. **NOTE:** (An item is a single article or unit containing One or more dimensional characteristics or features).
13. Enter comments in this block that will support any information given in Blocks 8 through 12. i.e., unsatisfactory conditions, corrective actions taken, reference to other item numbers listed, serial numbers, type of inspection accomplished, destination of exported products, buyer finished equipment, parts processed through manufacturer's Maintenance facility, part new or newly overhauled, condition of part or assembly, etc.
14. To be used for supplementing items 1-13.

NOTE: Unsatisfactory conditions are corrected in one of two ways:

Method 1: If action is presented to correct an unsatisfactory condition, the action is entered in Block 13 and the number in the UNSAT column of Block 12 is lined through and Initialed. The number of items now determined satisfactory is entered in the SAT column next to the corrective action entry.

Method 2: If corrective action is not presented, the inspector may continue the inspection by entering the next item inspected. When corrective action to the unsatisfactory Condition is eventually presented, assign the item a new number and record the number in Block 8. Complete Blocks 9 and 10, enter a new revision and date if data has Changed, and enter the number of items determined satisfactory in Block 12. Record both the corrective action taken and the item number of the unsatisfactory condition in Block 13. Place the item number in parenthesis. Next, line through and initial the number in the UNSAT column located next to Block 13 containing the unsatisfactory condition. Record the corrective action entry item number along with the unsatisfactory condition statement and place the number in parenthesis.

15 Continuation Block:

None Required

