



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N5877L	Serial No. AA-5-0077	
	Make AMERICAN	Model AA-5	Series GRUMAN
2. Owner	Name (As shown on registration certificate) F&I INVESTMENTS & SOLUTIONS	Address (As shown on registration certificate) Address 4133 NW 81ST TER City CORAL SPRINGS State FLORIDA Zip 33065-1326 Country USA	

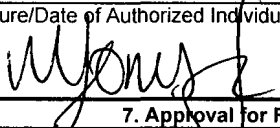
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type _____ Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Avionics Master, Inc.	Address 1001 W. Cypress Creek Rd Suite 316 City Fort Lauderdale State Florida Zip 33309 Country USA	☐ U. S. Certificated Mechanic	☐ Manufacturer
		☐ Foreign Certificated Mechanic	C. Certificate No.
		☒ Certificated Repair Station	VIMR095K
		☐ Certificated Maintenance Organization	

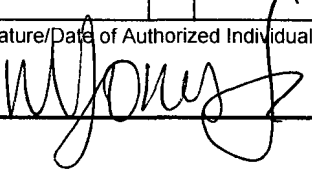
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual  12/7/2017
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee ☒	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. VIMR095K	Signature/Date of Authorized Individual  12/7/2017
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N5877L

12/7/2017

Nationality and Registration Mark

Date

Removed Edo-Aire Attitude Gyro Model 5000B-14, SN:A25079J

Removed King Transponder KT-76A, SN:46080

- 1.- Installation of Garmin G5 Electronic Gyro SN: 4JQ009728 in Pilot's instrument panel where old analog Attitude gyro was. Installation of Stratus ES transponder SN: 200637. Units interface with GARMIN GTN-650 for position. Installation was done IAW manufactures' install manuals and STC# SA01818WI with AML and STC# SA04112CH as a follow on. The installed ADS-B Out system was shown to meet the equipment performance requirements of 14 CFR part 91.227. Performed Post Installation check out procedure in airplane as described within the install manuals of the G5 & ES transponder, 14 CFR 91.411/413, and part 43 appendix E & F to assure performance and airworthiness to the airplane.
- 2.- References: a) Garmin G5 Electronic Flight Instruments Installation Manual p/n 190-01112-10 Rev.4, Jan 2017.
b) Stratus ESG/ES Transponder Installation Manual p/n 600840-000023 Rev. 2, June 21, 2017.
- 3.- ELECTRICAL LOAD determination was performed I/A/W AC43 13-1B, Chapter 11 Section 11-35 and 11-36, which meet all the requirements of Section 11-1 through 11-34. The total electrical load, does not exceed 80% of the total rated generator output capacity.
- 4.- AIRCRAFT METAL WORK: Work involving metal repair or alteration complies with AC43.13-1B Chap. 4, Section 1 through 4 Para. 4-1 through 4-58 as applicable.
- 5.- HARDWARE AND MATERIALS: Used in the installation conform to AC43.13-1B Chap. 7 section 2 through 7 and applicable Circuit Breakers and Connectors are of the type recommended by the aircraft manufacturer or MIL-SPEC approved for aircraft use and meet the requirements of AC43.13-1B Chap. 11, Section 4.
- 6.- WIRING : Electrical /electronic wiring was selected and installed I/A/W Equipment manufacturer installation manuals, AC43.13-1B Chap. 11 Section 5 and AC43.13-2B Chap. 2 Para. 207. Routing lacing and tying complies with AC43.13-1B Chap. 11 Section 5. Wire Marking complies with Section 16 Para. 11-222.
- 7.- ELECTRONIC EQUIPMENT INSTALLATION: Complies with equipment manufacturer instructions, and AC43.13-2B Chap. 2 Para. 201 through 206.
- 8.- MAGNETIC DIRECTION INDICATOR: Electro-Magnetic Interference was checked and compensated as necessary per AC43.13-1B Chap. 12 Section 3 para. 12-37 and AC43.13-2B Chap. 2 Para. 203f.
- 9.- The EQUIPMENT LIST is amended. WEIGHT AND BALANCE is negligent. Aircraft records were entered in accordance with AC43.13-1B Chap. 10 Section 2 Para. 10-16 and AC 43.13-2B Chap. 1 Para. 111. G5 AFMS p/n 190-01112-13 Rev. 1, dated: 7/22/2016, pilot's guide p/n 190-02072-00 Rev. C dated August 31, 2016, ICA p/n 190-01112-11 Rev. 1 date July, 2016, and Stratus ES AFMS p/n 606586-000075 dated Sept. 20, 2017, Pilot Guide p/n 600890-000049 Rev. 2, dated April 19, 2017, ICA p/n 600845-000025 Rev 2.1 dated Aug. 17, 2017 were inserted into the aircraft flight manual.

☒ Additional Sheets Are Attached

NOTICE

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8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N5877L

12/7/2017

Nationality and Registration Mark

Date

10.- Instructions for CONTINUED AIRWORTHINESS (ICA) : of the Garmin G5 are "On Condition" only. The Stratus ES transponder is to be inspected every 12 calendar months (see Stratus ICA) and every 24 calendar months IAW 14CFR 91.411/413, part 43 appendix E & F.

11.- OPERATIONAL GROUND TEST: Were performed I/AW manufacturer instructions of installed equipment to ensure that no degradation of performance of it or other equipment and systems to which the G5 ES Transponder are interfaced is affected. Equipment installed cause no interference to any other equipment in this aircraft.

END

☐ Additional Sheets Are Attached



U.S. Department of
Transportation
Federal Aviation
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MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
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INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Nationality and Registration Mark N5877L	Serial No. AA5-0077	
	Make American	Model AA5	Series N/A
2. Owner	Name (As shown on registration certificate) Friece William	Address (As shown on registration certificate) Address 596 Providence HWY.	
		City Norwood State MA Zip 02346 Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Thomas Bolt		☒ U.S. Certificated Mechanic	☐ Manufacturer
Address 2414 NE 25 place Apt # 3		☐ Foreign Certificated Mechanic	C. Certificate No.
City Fort Lauderdale State FL		☐ Certificated Repair Station	A&P 3700480
Zip 33305 Country USA		☐ Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel
per 14 CFR Part 43
App. B ☐

Signature/Date of Authorized Individual

Thomas Bolt 3.18.16

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the

Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	☐ FAA Fit Standards Inspector	☐ Manufacturer	☐ Maintenance Organization	☐ Person Approved by Canadian Department of Transport
	☐ FAA Designee	☐ Repair Station	☒ Inspection Authorization	Other (Specify)

Certificate or
Designation No.
2931141 IA

Signature/Date of Authorized Individual

Tom Bolt 03.18.2016.

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N5877L

03.18.2016

Nationality and Registration Mark

Date

Removed existing RMP gauge Mf. Mitchell Aircraft Products, Inc. P/N D1-112-5223, S/N 2250

Installed Electronics International RPM gauge instrument as per STC SA5924NM. Gauge P/N R-1-4, S/N177383

Installed in accordance with The drawing and installation instructions specified on the FAA Approved model list (AML) of this STC, or Later FAA approved revisions.

No change in weight & balance. Equipment list revised

END

☐ Additional Sheets Are Attached

United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA5924NM

This certificate, issued to Electronics International, Inc.

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product — Type Certificate Number: * See attached FAA Approved Model List (AML)
Make: * No. SA5924NM for list of approved airplane
Model: * models and applicable regulations.

Description of Type Design Change: Electronics International RPM instrument manufactured and installed in accordance with the drawings and installation instructions specified on the FAA Approved Model List (AML) of this STC, or later FAA approved revisions.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate and FAA Approved Model List (AML) No. SA5924NM, dated February 17, 1993, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: November 10, 1992 *Date received:*

Date of issuance: February 17, 1993 *Date amended:*



By direction of the Administrator

Donald J. May
(Signature)

Acting Manager, Special Certification Branch
Seattle Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

FAA Approved Model List (AML) SA5924NN
for
Electronics International RPM Instrument

Issue Date: February 17, 1993

Item	Aircraft Make	Aircraft Model	Original Type Certificate Number	Cert. Basis for Alt.	FAA Sealed Drawings		Installation Instructions		E.I. Instrument Model Number (See Note 1) () = See Note	AML Amended Date
					Number	Rev No.	Number	Rev. No.		
11.	DeHavilland Aircraft of Canada, Ltd.	DHC-2 DHC-3	A-806 A-815	CAR 10 CAR 10	" "	" "	" "	" "	R-1-6-G30Y200R220 R-1-6-G30Y200R220	6/3/94 6/3/94
12.	Extra Flugzeugbau	EA 300, -S	A67EU	FAR 23	" "	" "	" "	" "	R-1-6-G30Y240R270	10/30/97
13.	Fairchild	24 CBC 24 R9	A-535 A-706	BUL 7a Car 4a	" "	" "	" "	" "	R-1-8-G30R205 R-1-6-G30R245	10/30/97 "
14.	Grumman	F8F-2 AF-2S W/R-2800-48	AR-32 AR-36	CAR 8	" "	" "	" "	" "	R-1-18-G30R260 R-1-18-G30Y260R280	10/30/97 "
15.	Gulfstream American Corp. (Grumman Aircraft)	AA-5, -5A, -5B AA-1, -1A, -1B AA-1C	A16EA	FAR 23	" "	" "	" "	" "	R-1-4-G30R2700 R-1-4-G30R2600 R-1-4-G30R2700	6/3/94 " "
16.	Hellio Aircraft (Taylorcraft)	15A 20 W/O-470-A 20 W/O-470-J	3A3	CAR 4a	" "	" "	" "	" "	R-1-6-G30R2600 R-1-6-G30R2450 R-1-6-G30R2550	10/30/97 " "
17.	Hellio Enterprise	H-250 H-295, HT-295, F-295 H-391, -391B, -395, -395A H-700 H-800	1A8	CAR 3	" "	" "	" "	" "	R-1-6-G30R257 R-1-6-G30Y300R340 R-1-6-G30Y300R340 R-1-6-G30R257 R-1-8-G30R265	10/30/97 " " " "
18.	Interceptor (Aero Commander) (Meyers)	200 200A, 200B 200D	3A18	Car 3	" "	" "	" "	" "	R-1-6-G30R260 R-1-6-G30R262 R-1-6-G30R270	10/30/97 " "
19.	Lake	See Revs.								6/3/94
20.	Luscombe	8 8A 8B 8C, 8D 8E 8F, T-8F	A-694	CAR 4a	" "	" "	" "	" "	R-1-4-G30R190 R-1-4-G30R235 R-1-4-G30R235 R-1-4-G30R260 R-1-4-G30R257 R-1-4-G30R267	6/3/94 " " " " " "



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MAJOR REPAIR AND ALTERATION
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Form Approved
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11/30/2007

Electronic Tracking Number

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INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Nationality and Registration Mark N5877L	Serial No. AA5-0077	
	Make AMERICAN	Model AA-5	Series
2. Owner	Name (As shown on registration certificate) FRIECE WILLIAM	Address (As shown on registration certificate) Address 596 PROVIDENCE HWY City NORWOOD State MA Zip 02346 Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type _____ Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Stephen Bonvino	Address 150 Congress Street City Milford State MA Zip 02048 Country USA	☒ U.S. Certificated Mechanic	☐ Manufacturer
		☐ Foreign Certificated Mechanic	C. Certificate No.
		☐ Certificated Repair Station	2865719
		☐ Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual Stephen Bonvino 12/10/2014
--	---

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	Repair Station	☒ Inspection Authorization	Other (Specify)
Certificate or Designation No. 2752709		Signature/Date of Authorized Individual 13 JAN 2015		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

USA N5877L

12/10/2014

Nationality and Registration Mark

Date

General:

All work performed conforms to the parameters set forth in the FARs and the recommendations and guidelines set forth in AC43.13-1B and AC43.13-2B.

FAA Advisory Circular 43.13-1B, Chapter 10, Weight and Balance
FAA Advisory Circular 43.13-1B, Chapter 11, Aircraft Electrical Systems
FAA Advisory Circular 43.13-1B, Chapter 12, Aircraft Avionics Systems
FAA Advisory Circular 43.13-1B, Chapter 1, Para. 100 through 114, Structural Data
FAA Advisory Circular 43.13-1B, Chapter 2, Para. 200 through 210, Radio Installations
FAA Advisory Circular 43.13-1B, Chapter 3, Para. 300 through 312, Antenna Installations

Removed the following:

King KR86 ADF
King KX125 Nav/Com
Apollo GX50 GPS

Installed the following:

1. Garmin GTN-650 NAV/COM/GPS (Com 1) per manufacturer's installation manual, 190-01007-A3, Rev 7 dated Dec 2013 and Garmin AML STC # SA02019SE-D. GTN-650 installed in accordance with AC 20-138B Para. 7. For regulatory compliance please reference the following TSO approvals:

- FAA TSO-C129a Class A (1) (GPS)
- FAA TSO-C37d Class 4 & 6, JTSC-2C37e (COM TX, GNS 430)
- FAA TSO-C37d Class 3 & 5, JTSC-2C37e (COM TX, GNS 430A)
- FAA TSO-C38d Class C & E, JTSC-2C38e (COM RECEIVER)
- FAA TSO-C40c, JTSC-2C40c (VOR RECEIVER)
- FAA TSO-C36e, JTSC-C36e (LOCALIZER RECEIVER)
- FAA TSO-C34e, JTSC-C34e (GLIDESLOPE RCVR.)

New components were installed in the original radio and instrument locations. No structural modifications were needed.

Installed GPS 1 Antenna mounting Location per the Installation Manual.

Performed Maintenance Operation Check (MOC). Performed Flight Test

Performed EMI Testing in accordance with AC 43.13-1B Para. 11-107, Interference Tests

Updated Aircraft Weight and Balance

Power assessment done in accordance with FAR requirements. Power load does not exceed 80% of the aircraft system capacity, determined by calculation

Notes: Logbook entries made per FAR requirements

Instructions for Continued Airworthiness:

Garmin GTN 6XX/7XX Maintenance Manual and ICA P/N 190-01007-A1 (latest rev).

***** NOTHING FOLLOWS *****

☐ Additional Sheets Are Attached



U.S. Department of
Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number
Special

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INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N5877L	Serial No. AA5-0077	
	Make American	Model AA-5	Series
2. Owner	Name (As shown on registration certificate) HERBERT JOSEPH P	Address (As shown on registration certificate) 2728 DWIGHT AVE	
		City Dayton State OH	
The data identified herein complies with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR 43.7.			
Approving Inspector: <u>Robert W. Craig</u> Robert W. Craig			
Date <u>09/26/2013</u> GL05			

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type Manufacturer		

6. Conformity Statement	
A. Agency's Name and Address Name <u>Joseph Callewaert</u> Address <u>140 North Valley Road</u> City <u>Xenia</u> State <u>OH</u> Zip <u>45385</u> Country <u>USA</u>	B. Kind of Agency ☒ U.S. Certificated Mechanic ☐ Foreign Certificated Mechanic ☐ Certificated Repair Station ☐ Certificated Maintenance Organization ☐ Manufacturer C. Certificate No. A&P2761630

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual <u>[Signature]</u>
--	--

7. Approval for Return to Service					
Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	☐ FAA Fit Standards Inspector	☐ Manufacturer	☐ Maintenance Organization	☐ Person Approved by Canadian Department of Transport	
	☐ FAA Designee	☐ Repair Station	☐ Inspection Authorization	Other (Specify)	

Certificate or Designation No. A&P2761630IA	Signature/Date of Authorized Individual <u>[Signature]</u>
---	--

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8. Description of Work Accomplished

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N5877L

Nationality and Registration Mark

20 Sep 2013

Date

Replaced OEM type 1816 overhead light bulbs with Steelbrook FlashLights Grumman AA5 Series Easy Light Unit in accordance with Steelbrook installation and Operations Guide (attached).

Instructions for Continued Airworthiness:

1. Introduction: This unit replaces the two incandescent bulbs in the overhead ("dome") light assembly and the cover over the bulbs of a Grumman-American AA-5 series aircraft with a LED light system.
2. Description See attached Steelbrook Installation & Operation Guide, page 1. Power is provided to the light system via two plugs in the same shape as the bases of the OEM bulbs, the plugs being inserted and secured in the OEM bulb sockets in the same manner as the OEM bulbs. The aft plug feeds the two aft lights and the forward plug feeds the single forward light. There are no changes to the aircraft electrical wiring (see AA-5 series maintenance manual, Section 33-1-1, page 3, attached). Does not interface with any other systems.
3. Lighting is controlled by the OEM map/dome light switch exactly as the OEM bulbs were controlled.
4. Servicing information: None.
5. Inspection information: No Change.
6. Troubleshooting: Same as OEM bulbs. If correct voltage is not detected at the sockets, troubleshoot IAW AA-5 series maintenance manual. If correct voltage is detected, replace defective unit.
7. Removal and replacement information: See attached Steelbrook Installation & Operation Guide, page 4.
8. Diagrams: See attached Steelbrook Installation & Operations Guide, cover page.
9. Special inspection requirements: None
10. Application of protective treatment: None
11. Data: Uses OEM screws originally used to retain the OEM light, in original light cover holes
12. List of special tools: None.
13. Electrical Load Analysis: Existing bulbs draw 0.33 amps each (forward and aft bulbs). Per email from Steelbroke (attached), new unit draws 0.15 amps from the aft bulb socket and 0.08 amps from the forward bulb socket.
14. Recommended overhaul periods: No additional overhaul time limitations.
15. Airworthiness Limitation Section: No additional airworthiness limitations.
16. Any revision of these instructions will be submitted to the FSDO along with revised 337 and ICAs.

☒ Additional Sheets Are Attached



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1. Aircraft	Nationality and Registration Mark USA N22RL	Serial No. AA5A-0856	
	Make Grumman-American	Model AA-5A	Series
2. Owner	Name (As shown on registration certificate) Ronald B. Levy		Address (As shown on registration certificate) 6397 Oliver Drive
			City Salisbury State MD
			Zip 21801-1724 Country USA

3. For FAA Use Only

The technical data/alteration/repair identified herein complies with the applicable airworthiness requirements and is approved for use only on the above described aircraft, subject to conformity inspection by a person authorized in CFR 43.7.

09/07/07
Date

[Signature]
Signature of FAA Inspector, AIA-P3DO-07

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT	_____	_____	_____
☐	☐	PROPELLER	_____	_____	_____
☐	☐	APPLIANCE	Type	ATTACHMENT	_____
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Thomas Prasek		☒ U. S. Certificated Mechanic	Manufacturer
Address P.O. Box 872		☐ Foreign Certificated Mechanic	C. Certificate No.
City Georgetown State DE		☐ Certificated Repair Station	1777725
Zip 19947 Country USA		☐ Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual <u>[Signature]</u> 17 SEPT. 2007
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	☒ Inspection Authorization	

Certificate or Designation No. 1777725	Signature/Date of Authorized Individual <u>[Signature]</u> 17 SEPT. 2007
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

USA N22RL

August 15, 2007

Nationality and Registration Mark

Date

Replaced OEM type 1816 overhead light bulbs with Steelebrook FlashLights Grumman AA5 Series Easy Light Unit in accordance with Steelebrook Installation & Operation Guide (attached).

Instructions for Continuing Airworthiness:

1. Introduction: This unit replaces the two incandescent bulbs in the overhead ("dome") light assembly and the cover over the bulbs of a Grumman-American AA-5-series aircraft with a modern LED light system.
2. Description: See attached Steelebrook Installation & Operation Guide, page 1. Power is provided to the light system via two plugs in the same shape as the bases of the OEM bulbs, the plugs being inserted and secured in the OEM bulb sockets in the same manner as the OEM bulbs. The aft plug feeds the two aft lights, and the forward plug feeds the single forward light. There are no changes to the aircraft electrical wiring (see AA-5 series maintenance manual, Section 33-1-1, page 3, attached). Does not interface with any other systems.
3. Lighting unit is controlled by the OEM map/dome light switch exactly as the OEM bulbs were controlled.
4. Servicing Information; None.
5. Inspection information: No change.
6. Troubleshooting: Same as OEM bulbs. If correct voltage is not detected at sockets, troubleshoot IAW AA-5 series maintenance manual. If correct voltage is detected, replace defective unit.
7. Removal and replacement information: See attached Steelebrook Installation & Operation Guide, page 4.
8. Diagrams: See attached Steelebrook Installation & Operation Guide, cover page.
9. Special inspection requirements: None.
10. Application of protective treatments: None.
11. Data: Uses OEM screws originally used to retain OEM light cover, in original light cover holes.
12. List of special tools: None.
13. Electrical Load Analysis: Existing bulbs draw 0.33 amps each (forward and aft bulbs). Per email from Steelebrook (attached), new unit draws 0.15 amps from the aft bulb socket, and 0.08 amps from the forward bulb socket.
14. Recommended overhaul periods: No additional overhaul time limitations.
15. Airworthiness Limitation Section: No additional airworthiness limitations.
16. Any revision of these instructions will be submitted to the FSDO along with revised 337 and ICA's.

☒ Additional Sheets Are Attached



***Fresh Aero FlightLights
Grumman AA-5 Series
Easy Light Unit***



***Installation
&
Operation Guide***

Fresh Aero FlightLights

Easy Light Overhead Plug-In Lighting Unit

For Grumman AA-5 Series Aircraft

Thank you for purchasing the **Fresh Aero Easy Light Grumman AA-5 Series Overhead Plug-In Lighting Unit**. We're confident you will be pleased with this innovation in Grumman aircraft interior lighting.

If you fly your Grumman AA-5 series aircraft at night, you know that the original overhead cockpit/cabin lighting leaves a lot to be desired. This is the perfect solution! Just replace the original miniature incandescent light bulbs and outer panel with the Fresh Aero Easy Light Overhead Lighting Unit in about 5 minutes.

The Easy Light unit consists of a base panel with the exact dimensions of the original Grumman AA-5 series overhead lighting cover and 3 articulating bullet light heads with 4 high brightness LEDs per fixture. The entire unit weighs only 6 ounces.

Innovative Features Include

- State of the art LED solid state lighting in red, green, blue, white or a combination of colors
- Illuminates entire instrument panel with bright, clean, wide and even light. No halos, gaps or weak spots. Makes reading instruments, maps and other printed material a joy!
- Very long life cycle. LEDs, when used correctly, have an approximate life span of at least 50,000 hours. That's over 5 years of constant on.
- Many times brighter than the original Grumman overhead lighting with significantly less power consumption
- One cockpit lighting head and two rear seat heads, each with 4 high brightness LEDs
- Lighting heads are fabricated from aluminum with a black coating. Segmented necks stay where you position them.
- All components have a UL flame retardant rating of at least HB 94
- Lighting fixtures can be positioned to direct light anywhere in the cabin and baggage area
- Simple installation. Just remove existing lighting panel (2 screws) & bulbs and replace with the Easy Light unit by plugging adaptors into bulb sockets and securing the unit with the same screws.
- Optional 2 switch package built into the rear head mount that will turn the rear light heads on and off individually. They can easily be reached by anyone in the aircraft. Front light dimming option also available.
- Vibration proof design. Aircraft vibration will not be a factor.

Fresh Aero FlightLights Easy Light Overhead Plug-In Lighting Unit For Grumman AA-5 Series Aircraft

Study and save this manual



Read this entire manual before using the Fresh Aero Easy Light Unit. Make sure you understand the instructions and safety precautions in this manual. Keep this manual and your invoice in a safe place for future reference.

Steelebrook Easy Light General Safety Warnings and Precautions

Warning: always adhere to the following safety precautions when using this product.

- Do not alter or modify the Easy Light unit in any way.
- Do not tamper with internal components. Light heads use internal components that match the specific LED light configuration. There are no user replacement parts.
- Handle unit carefully. Do not drop.
- When installing the Easy Light unit, locate the aircraft on a level surface and chock aircraft tires to prevent movement.
- The Easy Light unit is designed for Grumman AA-5 series aircraft with 12 or 24 volt electrical systems. Do not modify or use in other aircraft. Contact Fresh Aero for modified units for other applications.
- Never use the Easy Light unit or any other single cockpit/cabin light as the only lighting source when flying at night. As with other aircraft systems, always have redundant lighting available for safe night operations.

Warning: The warnings, precautions and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors that cannot be built into the Easy Light unit and must be supplied by the person or persons using this product.

If you have questions regarding the installation or operation of the Easy Light unit, or just need another manual, please call or write the Steelebrook Group at the contact numbers or e-mail address at the bottom of the next page. Manuals are also available on our web site in PDF format at www.freshaero.com.

Other Legal Notices

Fresh Aero Aviation makes no representations or warranties regarding any damages, injuries or benefit expected by using this unit lawfully, or any request from a third person, which are caused by the inappropriate use of this product.

Fresh Aero FlightLights Easy Light Overhead Plug-In Lighting Unit For Grumman AA-5 Series Aircraft

Disclaimer of Warranty

Fresh Aero Aviation makes no representations of warranties, either expressed or implied, by or concerning any content of these written materials and in no event shall be liable for any implied warranty for any consequential, incidental or indirect damages (including but not limited to damages for loss of business profits or business interruption) arising from the use or inability to use these written materials or equipment. No liability is assumed with respect to the use of the information contained in these written materials, or for damages resulting from the use of the information contained therein.

Copyright 2005-10

Fresh Aero Aviation reserves all rights to this manual including the right to alter the features and contents of this publication without obligation or advance notice.

The Fresh Aero Easy Light Overhead Plug-In Lighting Unit For Grumman AA5 series Aircraft

3 year Limited Warranty

Fresh Aero Aviation makes every effort to provide high quality and durable products to the aviation community and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 3 years from the date of purchase. This warranty does not apply to damage due directly or indirectly to misuse, abuse, negligence or accidents; repairs or alterations outside our facilities; or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation defect or problem must be included with the product. If inspection verifies the defect, we will either repair or replace the product at our discretion or may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return the repaired or replaced product at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then the purchaser must bear the cost of returning the product.

This warranty gives you specific rights and you may also have other rights which vary from state to state.

Fresh Aero Aviation, 1142 Roseland Drive, Columbia, TN 38401-7700
Phone: 931-381-6092 888-581-4952 931-215-8801
Email: info@freshaero.com www.freshaero.com

Fresh Aero FlightLights

Easy Light Overhead Plug-In Lighting Unit

For Grumman AA-5 Series Aircraft

Installing the Fresh Aero Easy Light Unit



WARNING

Read and understand all the proceeding safety precautions and warnings before installing the Easy Light unit.

FAA Approval Information: If you install the Easy Light in your aircraft, you may need at least a FAA field approval to be completely legal and airworthy. Please See the next page for more information.

- Locate aircraft on a level surface and chock aircraft tires to prevent movement.
- Sit in the rear seat and remove the existing cockpit/cabin light outer cover from inside top of canopy by removing 2 attachment screws. Save screws and cover.
- Remove the 2 incandescent bulbs behind panel by reaching into front and rear openings and turning bulbs counterclockwise until they pop out. They are bayonet style bulbs and will require just a small twist.
- Install the Easy Light unit by holding the unit in one hand and “plugging” the forward and aft bulb adaptors and wires into the forward and aft bulb sockets using the following procedure.
- Align the “bayonet” lugs on the Easy Light aft wire adaptor (yellow flag on wires) with the mating slots in the aft bulb socket and “push & twist” the adaptor into place. Again, this will require very little turning. Confirm that adaptor is locked in socket by gently pulling on adaptor. If adaptor pops out, align and try again. “Plug” the Easy Light forward wire adaptor (green flag on wires) into the forward socket using the above procedure.
- When adaptors are securely fastened, push the wires into their respective openings in the canopy and mount base plate over openings in same location as previously removed outer panel. Use existing screws or the stainless steel screws included with the Easy Light to fasten base to canopy.

Note: Some mounting hole variation may exist on your Grumman as many assemblies on these aircraft were built by hand. If the mounting holes on your Easy Light base do not align with the holes on your aircraft, you may need to enlarge or elongate the Easy Light base mounting holes to align with the holes on your aircraft. The easiest way to do this is to use the outer cover you removed above as a template. Just enlarge the Easy Light base holes to match the holes in the removed cover. If the holes aren't even close, you can return the Easy Light and existing cover to Steelebrook and we will fabricate a new base with mounting holes to match your cover for no charge except 5 dollars shipping.

Fresh Aero FlightLights

Easy Light Overhead Plug-In Lighting Unit

For Grumman AA-5 Series Aircraft

Warning: Make sure wires do not kink or abrade on metal structure when pushing them into openings. Make sure wires are not caught or squeezed between base plate and canopy. Do not over tighten screws when mounting base plate to canopy.

Operating The Easy Light Unit

The 3 position dome light rocker switch operates the Easy Light unit in exactly the same way as your former overhead lighting. When rocker switch is pressed forward, the cockpit head will light. When the rocker is pressed to the rear, all 3 light heads will light.

Note: The Easy Light LEDs are optimized for maximum brightness at 13.8 volts dc (27.6 volts for the 24 volt Tigers), the standard bus voltage on the Grumman AA-5 Series aircraft with the engine running and alternator charging. The Easy Light will certainly work well with the engine off but the brightness will be slightly less than when the engine is running.

The Steelebrook Easy Light unit is also offered with an optional 2 switch package built into the rear head mount that will turn the rear light heads on and off individually. They can easily be reached by anyone in the aircraft.

A Few Words on FAA Approval

We consider the Easy Light unit to be a major improvement in Grumman cockpit and cabin lighting. Intrinsic safety and easy installation with absolutely no modification to the airframe or electrical system make the Easy Light a superior lighting solution for your AA-5 series aircraft.

But even some minor modifications to certified aircraft need some type of FAA approval to be legally used in the aircraft.

If you install the Easy Light unit in your aircraft, you may need at least a FAA field approval to be completely legal and airworthy. The FAA people we have talked with consider the installation of this unit a very minor "add-on" that would be approved using the field approval process (337 form). Some even consider this to be a non-issue. Other than the screws that hold the unit in place (in existing holes), it's like plugging in your headset.

Please talk to your local FAA Flight Standards Office for more information.

To amplify on our warranty, if you are unable to get the Easy Light approved, just return the unit to us at Steelebrook in the condition it was received (unused) within 6 months for a full refund less shipping.



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N5877L	Serial No. AA5-0077	
	Make American	Model AA-5	Series
2. Owner	Name (As shown on registration certificate) Herbert Joseph P	Address (As shown on registration certificate) Address 2728 Dwight Ave	
		City Dayton	State OH
		Zip 45420-2606	Country United States

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT	_____	_____	_____
☐	☐	PROPELLER	_____	_____	_____
☐	☐	APPLIANCE	Type _____	_____	_____
			Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Mark A. Trick	Address 5457 Mangold Dr. City Huber Heights State Ohio Zip 45424 Country United States	☒ U. S. Certificated Mechanic	Manufacturer
		☐ Foreign Certificated Mechanic	C. Certificate No.
		☐ Certificated Repair Station	2835072
		☐ Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual 3/14/2012 Mark A. Trick
--	--

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	☒ Inspection Authorization	Other (Specify)

Certificate or Designation No. 2835072	Signature/Date of Authorized Individual 3/14/2012 Mark A. Trick
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N5877L

3/14/2012

Nationality and Registration Mark

Date

Installed Sensenich propeller part number 74DM7S10-1.5-61 serial number A62915 in accordance with STC SA09990SC, Sensenich installation instructions and Grumman AA-5 maintenance manual. Propeller installed using new spacer and bolts. Instructions for continued airworthiness have been entered into the aircraft maintenance records. Updated aircraft weight and balance and equipment list. -----

-----END-----

☐

Additional Sheets Are Attached

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA09990SC

This Certificate issued to Fletcher, Inc.
9000 Randolph Street
Houston, TX 77061

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product Type Certificate Number: A16EA
Makes: American General
Model: AA-5; AA-5A

THIS STC APPLICABLE ONLY TO:
REGISTRATION # N 5877L
SERIAL # AA5-0077

Description of Type Design Change:

Installation of Sensenich Propeller 74DM7S10-1-57B and 74DM7S10-1.5-61B in accordance with Fletcher, Inc. Instructions for Installing Sensenich Propellers 74DM7S10-1-57B and 74DM7S10-1.5-61B on Grumman AA-5 and AA-5A Aircraft, Revision A, dated May 14, 2001, or later FAA approved revision.

Limitations and Conditions: Compatibility of this design change with previously approved modifications must be determined by the installer. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 18, 1998

Date received:

Date of issuance: May 16, 2002

Date amended:



By direction of the Administrator

[Signature]
S. Frances Cox
Manager, Special Certification Office
Southwest Region

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

50-P500-19

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Gulfstream	Model AA-5
	Serial No. AA5-0077	Nationality and Registration Mark N5877L
2. Owner	Name (As shown on registration certificate) Finmaster, Inc.	Address (As shown on registration certificate) 1994 Overseas Highway Marathon, FL 33050

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Anthony F. D'Aiuto 8800 Overseas Highway Marathon, FL 33050	B. Kind of Agency	C. Certificate No. A&P 46589372
	☒ U.S. Certificated Mechanic	
	☐ Foreign Certificated Mechanic	
	☐ Certified Repair Station	
	☐ Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 5/24/99	Signature of Authorized Individual Anthony F. D'Aiuto
------------------------	---

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	☒ Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 5/24/99		Certificate or Designation No. 46589372 IA	Signature of Authorized Individual Anthony F. D'Aiuto	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Gulfstream AA5 AA5-0077 N5877L

Performed conformity inspection of installed J.P. Instruments temperature monitoring systems. The units were installed in accordance with J.P. Instruments Drawing List Report No. 100 Revision D, dated 12/19/96 and Airplane Flight Manual Supplement No. 1 for EGT-701 temperature indicator, Revision A, dated 12/13/96 and STC SA2586NM.

Weight and Balance and Equipment List revised to indicate change.

*****END*****

☐ Additional Sheets Are Attached

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA2586NM

This Certificate issued to J. P. INSTRUMENTS
PO Box 7033
Huntington Beach, CA 92646

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 3 of the Civil Aviation Regulations, including respective Amendments as specified in the attached Approved Model List.

Original Product Type Certificate Number: * *See attached FAA Approved J.P. Instruments
Make: * Master Eligibility List No. SA2586NM for list
Model: * of approved aircraft models and applicable TCDS

Description of Type Design Change:

Installation of J. P. Instruments temperature monitoring systems in accordance with FAA Approved J. P. Instruments Drawing List Report No. 100, Revision D, dated December 19, 1996, or later FAA approved revisions. FAA Approved Airplane/Rotorcraft Flight Manual Supplement No. 1 for EGT-701 temperature indicator, Revision A, dated December 13, 1996, or later FAA approved revisions.

Limitations and Conditions: The approval of the change in type design applies to the basic airplane of the specific models that are otherwise unmodified. This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission. (See continuation sheet)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: December 31, 1984

Date received:

Date of issuance: August 14, 1985

Date amended: July 13, 1987, November 13, 1992, December 19, 1996, May 15, 1998

By direction of the Administrator



[Signature]
(Signature)
Manager, Propulsion Branch
Los Angeles Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

MAKE	AIRCRAFT MODEL	T.C.D.S.	Part Number (See P. 10 for Series)
Cessna	310, 310A, B, C, D, E, F, G, H, E310H, 310I, J, K, L, N, P, Q, R 310J-1, E310J, T310P, Q, R T310Q, 310R, T310R	3A10	(6T*), (BT*)
Cessna	321	3A11	(6T), (BT)
Cessna	320, A, B, C, D, E, F, 320-1, 335, 340, 340A	3A25	(6T*), (BT*)
Cessna	336	A2CE	(6T), (BT)
Cessna	337, 337A, B, C, D, E, F, G, H T337B, C, D, E, F, G, H, M337B, P337H, T337H-SP	A6CE	(6T*), (BT*)
Cessna	401, 401A, B, 402, 402A, B, C, 411, 411A, 414, 414A 421, 421A 421B, 421C	A7CE	(6T*), (BT*)
Consolidated Aeronautical	LAKE C-1, -2, LA-4, LA-4A, LA-4P, LA-4-200	1A13	(4), (A)
	LAKE 250	1A13	(6*), (B*)
De Havilland	DHC-2 Mk. I DHC-2 Mk. II	A-806	(9), (E)
	DHC-3	P&W Wasp. R-1340 A-805	(9), (E)
Enstrom Helicopter	F-28, -28A, -28C, -28F, 280, 280C, 280F	H1CE	(4*), (A*)
GENERAL AVIA Costruzioni Aeronautiche	F22B, F22R, F22C	A75EU	(4*), (A*)
	F20	A38EU	(6T), (BT)
Grumman	AA-1, -1A, -1B, -1C	A11EA	(4), (A)
Grumman	AA-5, -5A, -5B AG-5B	A16EA	
Gulfstream American	112, 112TC, 112B, 112TCA,	A12SO	(4), (A)
Gulfstream American	114, 114A	A12SO	(6), (B)
Gulfstream	AA-5, AA-5A, AA-5B	A16EA	(4), (A)
Gulfstream American	500, 500-A, B, U, S, 520, 560, 560A, -E,	6A1	(6T), (BT)

FAA approved AFM Supplement is required with the EGT-701. The EGT-701 is applicable to all EGT-100/200 series.



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

50-FSDO-19

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Gulfstream	Model AA-5
	Serial No. AA5-0077	Nationality and Registration Mark N5877L
2. Owner	Name (As shown on registration certificate) Finmaster, Inc.	Address (As shown on registration certificate) 1904 Overseas Highway Marathon, FL 33050

3. For FAA Use Only

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Anthony F. D'Aiuto 8800 Overseas Highway Marathon, FL 33050	B. Kind of Agency	C. Certificate No. A&P 46589372
	☒ U.S. Certificated Mechanic	
	☐ Foreign Certificated Mechanic	
	☐ Certified Repair Station	
	☐ Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 5/21/99	Signature of Authorized Individual <i>Anthony F. D'Aiuto</i>
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	☒ Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 5/21/99		Certificate or Designation No. 46589372 IA	Signature of Authorized Individual <i>Anthony F. D'Aiuto</i>	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Gulfstream AA5 AA5-0077 N5877L

Installed Modification to the engine cowl nose bowl which splits the nose bowl horizontally, allowing it to be removed without prop removal. This modification is in accordance with Aviation Development Corporation Drawing List DL-002-2NB and STC SA4325NM.

Weight and Balance and Equipment List revised to indicate change.

*****END*****

☐ Additional Sheets Are Attached

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate

Number SA4325NM

This certificate is issued to Aviation Development Corporation

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Air Regulations, effective February 1, 1965
THIS S.T.C. LIMITED TO

Original Product—Type Certificate Number: A16EA
Aircraft Model **AA-5** *Make:* Grumman Aerospace
Registration No. **N5877L** *Model:* AA-5, AA-5A, AA-5B

Description of Type Change **AA-5-0077**
Serial No. **1** *Installation of modification to the engine cowl nose bowl which splits the nose bowl horizontally, allowing it to be removed without prop removal. This modification is in accordance with Aviation Development Corporation Drawing List DL-002-2NB.*

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate must be maintained as part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: February 22,

Date reissued:

Date of issuance: May 20, 1988

Date amended:

By direction of the Administrator

D. L. Reagin
(Signature)

Assistant Manager, Seattle
Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

100-100000



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

ASO-FSDO-15

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Grumman	Model AA5
	Serial No. 0077	Nationality and Registration Mark. N-5877E
2. Owner	Name (As shown on registration certificate) Tracy H. Streater	Address (As shown on registration certificate) 5476 Woodcrest Drive Winter Park, FL. 32792

3. For FAA Use Only

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4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				XX
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Klinger Aero 12151 Mattioda Road Groveland, Fl. 34736	☒ U.S. Certificated Mechanic	A&P 1564044
	☐ Foreign Certificated Mechanic	
	☐ Certificated Repair Station	
	☐ Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 10-17-96	Signature of Authorized Individual <i>Clair K. Klinger</i> Clair K. Klinger
-------------------------	---

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	☒	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 10-17-96		Certificate or Designation No. IA 1564044	Signature of Authorized Individual <i>Clair K. Klinger</i> Clair K. Klinger		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed Aero-Trim I/A/W STC 1133S). Installation I/C/W manufactures instructions. Weight change negligible. No further WT & Bal computations necessary. Approved flight manual supplement entered in pilot handbook & flight manual. All required data entered in appropriate records.

END

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
SO-FSDO-15

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make American	Model AA5
	Serial No. AA5-0077	Nationality and Registration Mark N-5877L
2. Owner	Name (As shown on registration certificate) Tracy H. Streater, Jr.	Address (As shown on registration certificate) 5476 Woodcrest Drive Winter Park, Fl. 32792

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				
POWERPLANT	Lycoming	O-320 E2G	L-31392-27A		XX
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address Klinger Aero 12151 Mattioda Road Groveland, Fl. 34736	B. Kind of Agency ☒ U.S. Certificated Mechanic ☐ Foreign Certificated Mechanic ☐ Certificated Repair Station ☐ Manufacturer	C. Certificate No. A&P 1564044
--	--	--

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 12-1-95	Signature of Authorized Individual <i>Clair K. Klinger</i> Clair K. Klinger
------------------------	---

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	☒ Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 12-1-95		Certificate or Designation No. IA 1564044	Signature of Authorized Individual <i>Clair K. Klinger</i> Clair K. Klinger	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

O/H Engine installed using accessories approved under following S.T.C.

Oil Filter: American Development corp. P/N 6000010-1 Filter Kit
STC # SA4172NM installed I/A/W Report # 1002 & drawings # 20051010
20051030, 10801023, 6000500, 6000310.

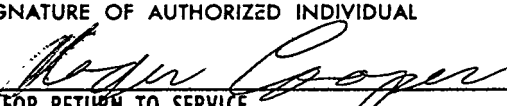
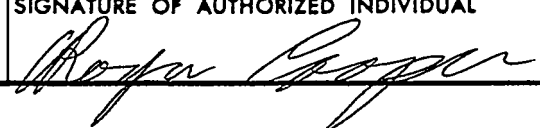
Oil Filter Adapter: P/N 700110, STC SE5743 installed I/A/W report 1002
and drawings 700110 & 7000210.

Starter: SKY-TEC Model 149-12PM STC # SE00218NY installed I/A/W manufac-
tures installation instructions.

All Data entered in appropriate records. Weight & Balance computed and
recorded.

END

☐ Additional Sheets Are Attached

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				Form Approved Budget Bureau No. 04-R060.1		
MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)				FOR FAA USE ONLY OFFICE IDENTIFICATION SO-FSD00-15		
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.						
1. AIRCRAFT	MAKE American		MODEL AA5			
	SERIAL NO. AA5-0077		NATIONALITY AND REGISTRATION MARK N-5877L			
2. OWNER	NAME (As shown on registration certificate) Tracy H. Streater, Jr.		ADDRESS (As shown on registration certificate) 5476 Woodcrest Drive Winter Park, Fl. 32792			
3. FOR FAA USE ONLY						
4. UNIT IDENTIFICATION					5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION	
AIRFRAME	***** (As described in item 1 above) *****					
POWERPLANT	LYCOMING	O-320 E2G	L-31392-27A		X	
PROPELLER	-					
APPLIANCE	TYPE					
	MANUFACTURER					
6. CONFORMITY STATEMENT						
A. AGENCY'S NAME AND ADDRESS			B. KIND OF AGENCY		C. CERTIFICATE NO.	
SOUTHEAST ENGINE OVERHAUL 37116 GEIGER ROAD ZEPHYRHILLS, FLORIDA 33541			☒	U.S. CERTIFICATED MECHANIC	: A&P 2270183	
				FOREIGN CERTIFICATED MECHANIC		
				CERTIFICATED REPAIR STATION		
				MANUFACTURER		
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.						
DATE NOVEMBER 29, 1995			SIGNATURE OF AUTHORIZED INDIVIDUAL 			
7. APPROVAL FOR RETURN TO SERVICE						
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED						
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	☒	INSPECTION AUTHORIZATION		
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT		
DATE OF APPROVAL OR REJECTION APPROVED NOVEMBER 29 1995		CERTIFICATE OR DESIGNATION NO. IA 2270183		SIGNATURE OF AUTHORIZED INDIVIDUAL 		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

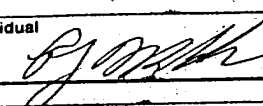
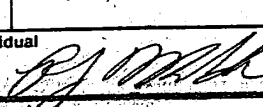
LYCOMING O-320 H2G HAS BEEN MODIFIED TO HIGH COMPRESSION AS PER PRECISION ENGINE OVERHAUL SFC 682 NE.

THE CONVERTED ENGINE IS SIMILAR TO LYCOMING O-320-D2G. ALL SERVICE PUBLICATIONS AND AD NOTES APPLICABLE TO THE O-320 D2G MUST BE REVIEWED. THE ENGINE IS IDENTICAL TO THE STANDARD O-320-H2G EXCEPT FOR THE FOLLOWING PARTS:

- (4) SI-3200W-A2 CYLINDER VALVE ASSEMBLY CHOKE BARREL
- (4) SI-75089 HIGH COMPRESSION PISTON
- (1) SI-3601SC RING SET
- (4) SI-13444-1 PISTON PIN HEAVY WALL
- (1) SUPPLEMENTAL DATA PLATE

END

☐ ADDITIONAL SHEETS ARE ATTACHED

 MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)				Form Approved	
				OMB No. 2120-0020	
				For FAA Use Only	
				Office Identification ASO-FSDO-15	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).					
1. Aircraft	Make	American	Model	AA5	
	Serial No.	AA5-0077	Nationality and Registration Mark	N5877L	
2. Owner	Name (As shown on registration certificate)	Tracy H. Streater, Jr.			
		Address (As shown on registration certificate) 5476 Woodcrest Drive Winter Park, FL 32792			
3. For FAA Use Only					
4. Unit Identification					
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				
5. Type					
6. Conformity Statement			C. Certificate No.		
A. Agency's Name and Address			B. Kind of Agency		
Robert J. Melde 2575 S. Semoran Blvd., #2016 Orlando, FL 32822			☒ U.S. Certificated Mechanic		
			☐ Foreign Certificated Mechanic		
			☐ Certificated Repair Station		
			☐ Manufacturer		
			A&P 2033715		
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Date 2/27/95			Signature of Authorized Individual Robert J. Melde 		
7. Approval for Return To Service					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	FAA FII, Standards Inspector	Manufacturer	☒	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	☐	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 2/27/95		Certificate or Designation No. 2033715 IA	Signature of Authorized Individual Robert J. Melde 		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

6. Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed electronics international RPM instrument as per STC SA5924NM.
No change in weight and balance. Equipment list revised.

END

☐ Additional Sheets Are Attached

United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA5924NM

This certificate issued to Electronics International, Inc.

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part * of the Regulations.*

Original Product — Type Certificate Number: * See attached FAA Approved Model List (AML)
Make: * No. SA5924NM for list of approved airplane
Model: * models and applicable regulations.

Description of Type Design Change: Electronics International RPM instrument manufactured and installed in accordance with the drawings and installation instructions specified on the FAA Approved Model List (AML) of this STC, or later FAA approved revisions.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate and FAA Approved Model List (AML) No. SA5924NM, dated February 17, 1993, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: November 10, 1992

Date issued:

Date of issuance: February 17, 1993

Date amended:

By direction of the Administrator



(Signature)
Acting Manager, Special Certification Branch
Seattle Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

THE UNIVERSITY OF CHICAGO PRESS

00000000

501. *Stenotermes* *californicus*

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

[illegible]

100-443887-100

[illegible]

of the drawings and the

... TO THE RIGHT OF ...

1. The first group of respondents (10%) was composed of individuals who had been involved in a sexual assault in the past 12 months. This group was further divided into two subgroups: those who had been the victim of a sexual assault (5%) and those who had been the perpetrator of a sexual assault (5%).

100-443887-100

Approval of this change in type of work is required.

to other aircraft of this type, on which other, previously reported, defects had been observed.

any of those other previously approved modifications, including changes in

1944-1945 (JMA) 1112 Robert Grayson 7/47 km. 4500 ft. 1112 1112 1112

February 15, 1953, at 11:00 AM, at the residence of the subject, 1110 1st St. N.E., Washington, D.C.

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets. The second step is to analyze the data. The third step is to develop a plan. The fourth step is to implement the plan. The fifth step is to evaluate the results.

100-443887-100

[Faint, illegible handwritten notes]

1954

[illegible]

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 01-11-2001 BY 60322 UCBAW

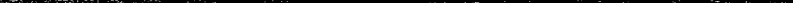
100

100



100

100



FMA Approved Model List (AML) SASP24M
for
Electronics International RPM Instrument

Issue Date: February 17, 1993

Item	Aircraft Make	Aircraft Model	Original Type Certificate Number	Cert. Basis for Alt.	FMA Sealed Drawings		Installation Instructions		E.I. Instrument Model Number (See Note 1) () = See Note	AML Amended Date
					Number	Rev. No.	Number	Rev. No.		
10.	Gulfstream American Corp. (Gulfstream Aircraft)	AA-5, -5A, -5B AA-1, -1A, -1B AA-1C	A166A	FAR 23	"	"	"	"	R-1-4-G30R2700 R-1-4-G30R2600 R-1-4-G30R2700	6/3/94 " "
11.	Lake	See Rev.								
12.	Luscombe	B BA BB BC, BD BE BF, T-6E	A-694	CAR 66	"	"	"	"	R-1-4-G30R190 R-1-4-G30R235 R-1-4-G30R255 R-1-4-G30R260 R-1-4-G30R257 R-1-4-G30R267	6/3/94 " " " " "
13.	Maule	M-4, M-4C, M-4S, M-4T M-4-180C, M-4-180S, M-4-180T M-4-210, -210C, -210S, -210T M-4-220, -220C, -220S, -220T M-5-180C M-5-210C, -220C M-5-235C M-5-210T M-5-200 M-6-180 M-6-235 M-7-180 M-7-235 MX-7-180 MX-7-235	3A23	CAR 3	"	"	"	"	R-4-G30R270 R-6-G30R280 R-6-G30R280 R-6-G30R280 R-6-G30R270 R-6-G30R280 R-6-G30R240 R-6-G30R257 R-4-G30R270 R-4-G30R270 R-6-G30R240 R-6-G30R270 R-6-G30R240 R-4-G30R270	8/5/94 " " " " " " " " " " " " "
14.	Nooney Aircraft Corp.	M20, M20A, M20B, M20C, M20D M20E, M20F, M20G, M20J, M20K M20L M20M M22	2A3	CAR 3	"	"	"	"	R-1-4-G30R270 R-1-4-G30R270 R-1-6-G30R234 R-1-6-G30R257 R-1-6-G30R257	8/5/94 " " " "
15.	Revlant	See Thompson.	ASV	"	"	"	"	"		6/3/94

FAA AIRCRAFT REGISTRY
CAMERA NO 3N

DATE: 5-24-95

REGISTRATION	TYPE	CLASS	STATUS	DATE	REMARKS
N10000	1	1	1	1	1
N10001	1	1	1	1	1
N10002	1	1	1	1	1
N10003	1	1	1	1	1
N10004	1	1	1	1	1
N10005	1	1	1	1	1
N10006	1	1	1	1	1
N10007	1	1	1	1	1
N10008	1	1	1	1	1
N10009	1	1	1	1	1
N10010	1	1	1	1	1
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N10098	1	1	1	1	1
N10099	1	1	1	1	1
N10100	1	1	1	1	1

 US Department of Transportation Federal Aviation Administration		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 For FAA Use Only Office Identification SO-FSDO-15	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).					
1. Aircraft		Make American Serial No. AA5-0077		Model AA5 Nationality and Registration Mark N5877L	
2. Owner		Name (As shown on registration certificate) Tracy H. Streater, Jr.		Address (As shown on registration certificate) 5476 Woodcrest Drive Winter Park, FL 32792	
3. For FAA Use Only The Data identified herein compared with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR 43.7 MAR 05 1995 <i>[Signature]</i> SO-FSDO-15 Date FAA Inspector					
4. Unit Identification					
Unit	Make	Model	Serial No.	5. Type	
AIRFRAME	(As described in Item 1 above)			Repair	Alteration
POWERPLANT					
PROPELLER					
APPLIANCE	Type	2			
	Manufacturer				
6. Conformity Statement					
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
CE Avionics, Inc. 1792 Hangar Road Sanford, FL 32773		☒ U.S. Certified Mechanic ☐ Foreign Certified Mechanic ☒ Certified Repair Station ☐ Manufacturer		OE4R411M	
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Date 3-8-95		Signature of Authorized Individual <i>[Signature]</i>			
7. Approval for Return To Service					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization		Other (Specify)
	FAA Designee	☒ Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection 3-8-95		Certificate or Designation No. OE4R411M	Signature of Authorized Individual <i>[Signature]</i>		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Removed Edo-Aire 4000B-8 Directional Gyro; Electric Gyro Corporation 1394T100-7Z Turn Coordinator and Stewart-Warner Mechanical Tach. Electronics International Tachometer remains in aircraft (as installed by FAA 337 dated 2/27/95).

Installed Edo-Aire 4000D-1 Directional Gyro in the instrument panel.

Installed S-Tec System 40/50 Automatic Flight Guidance System, Model ST-280-40/50, in accordance with STC Number SA5386SW-D.

Interfaced Autopilot System to the Directional Gyro and NAVI/LORAN switching.

Primary power connected to circuit breaker and per Mfg'r specifications. Electrical load computed to be within acceptable limits.

Weight and balance and equipment list revised to reflect alterations.

Installation made in accordance with AC43.13-1A, Chapter 11, Sec. 2,3,4,7; AC43.13-2A, Chapter 2; and in compliance with FAR 23.1301 and 23.1431.

END

☒ Additional Sheets Are Attached

 U.S. Department of Transportation Federal Aviation Administration		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved	
				OMB No. 2120-0020	
For FAA Use Only					
Office Identification					
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).					
1. Aircraft	Make	American		Model	AA5
	Serial No.	AA5-007		Nationality and Registration Mark	N5877L
2. Owner	Name (As shown on registration certificate)			Address (As shown on registration certificate)	
	Tracy H. Streater, Jr.			5476 Woodcrest Drive Winter Park, FL 32792	
3. For FAA Use Only					
4. Unit Identification					
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				
5. Type					
6. Conformity Statement					
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Robert J. Melde 2575 S. Semoran Blvd., #2016 Orlando, FL 32822		☒ U.S. Certified Mechanic ☐ Foreign Certified Mechanic ☐ Certified Repair Station ☐ Manufacturer		A&P 2033715	
D. I certify that the repair and/or alteration made to the unit(s) identified in Item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Date 2/27/95		Signature of Authorized Individual Robert J. Melde			
7. Approval for Return To Service					
Pursuant to the authority given persons specified below, the unit identified in Item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	FAA FII Standards Inspector	Manufacturer	☒	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 2/27/95		Certificate or Designation No. 2033715 IA		Signature of Authorized Individual Robert J. Melde	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

6. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed electronics international RPM instrument as per STC SA5924NM.
No change in weight and balance. Equipment list revised.

END

☐ Additional Sheets Are Attached

 U.S. Department of Transportation Federal Aviation Administration		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 For FAA Use Only Office Identification <i>ASO-FSDO-15</i>	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).					
1. Aircraft		Make <i>GULFSTREAM AEROSPACE</i> Serial No. <i>NA5-0077</i>		Model <i>AR5</i> Nationality and Registration Mark <i>N587TC</i>	
2. Owner		Name (As shown on registration certificate) <i>TRACY H. STREETER JR.</i>		Address (As shown on registration certificate) <i>5476 WOODS CREST DR WINTER PARK, FLA. 32792</i>	
3. For FAA Use Only					
4. Unit Identification					
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type <i>21-0024</i>				
	Manufacturer				
6. Conformity Statement					
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
<i>CARY W. FULLER</i>		☒ U.S. Certificated Mechanic		<i>A121770128</i>	
<i>1435 E 29TH ST</i>		☐ Foreign Certificated Mechanic			
<i>SMYRNA, FL 32773</i>		☐ Certified Repair Station			
		☐ Manufacturer			
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Date <i>1-27-93</i>		Signature of Authorized Individual <i>Cary W. Fuller</i>			
7. Approval for Return To Service					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	FAA Fit. Standards Inspector	Manufacturer	☒	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <i>1-27-93</i>		Certificate or Designation No. <i>1770128</i>		Signature of Authorized Individual <i>Cary W. Fuller</i>	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

RUDDER TIP REPLACED WITH AVINTON RED LEXAN
TIP WITH FUSING ANTI-COLLISION LIGHT LOCATED
INSIDE "ING" AVINTON DEVELOPMENT CORP. DRAWING
LIST DL130 CONTAINED IN FILE SA5775NM.

RUDDER REMOVED + BALANCE CHECKED IN-5
CULFSTRENG ACRO SPACE MARK MANUAL.

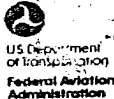
RUDDER REINSTALLED + AIRCRAFT TEST FLOWN
AFTER DATA TO CR BECAME

NO WEIGHT CHANGE

END

RECEIVED
FEB 02 1993
FSDO - 15

☐ Additional Sheets Are Attached

 MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)				Form Approved OMB No. 2120-0020	
				For FAA Use Only Office Identification ASO-FSDO-15	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).					
1. Aircraft	Make	Gulfstream Aerospace			
	Serial No.	AAS-0077			
2. Owner	Name (As shown on registration certificate)	Tracy H. Strickland Jr.			
	Address (As shown on registration certificate)	5476 Woodcrest Dr. Winter Park, FL 32792			
3. For FAA Use Only					
4. Unit Identification					
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT	0001 S O 037				
PROPELLER	01-00085				
APPLIANCE	Type				
	Manufacturer				
6. Conformity Statement					
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Cory W. Funch		☒ U.S. Certified Mechanic ☐ Foreign Certified Mechanic		1770128	
Date of Approval or Rejection: 1-27-93 Signature of Authorized Individual: <i>Cory W. Funch</i>					
7. Approval for Return To Service					
Pursuant to the authority given, persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization Person Approved by Transport Canada Airworthiness Group		
	FAA Designee	Repair Station			
Date of Approval or Rejection		Certificate or Designation No.	Signature of Authorized Individual		
1-27-93		1770128	<i>Cory W. Funch</i>		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

INSTALLED LANDING LITES IN WING TIPS
AOW STC SA4740NM - INSTALLATION OF TIP
LITES, LITE BULBS & WIRING WITH CIRCUIT BREAKER
SWITCHES 20 AMP, DONE IAW INSTRUCTIONS NEEDED
IN KIT. ALSO WIRING WAS DONE IAW AC 43.13
A CHAP 11-410.

AIRCRAFT TEST FLOWN & LITES ADJUSTED
WT CHANGE ENTERED IN LOGS

END

RECEIVED

FEB 02 1993

FSDO - 15

☐ Additional Sheets Are Attached

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 For FAA Use Only Office Identification SO-FSDO-15	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).			
1. Aircraft	Make American	Model AA5	
	Serial No. AA5-007	Nationality and Registration Mark N5877L	
2. Owner	Name (As shown on registration certificate) Tracy H. Streater, Jr.		Address (As shown on registration certificate) 5476 Woodcrest Drive Winter Park, FL 32792
3. For FAA Use Only			
4. Unit Identification			5. Type
Unit	Make	Model	Serial No.
AIRFRAME	(As described in Item 1 above)		Repair
POWERPLANT			Alteration
PROPELLER			
APPLIANCE	Type		
	Manufacturer		
6. Conformity Statement			
A. Agency's Name and Address CE Avionics Inc. Sanford Airport Sanford, FL 32773		B. Kind of Agency ☐ U.S. Certificated Mechanic ☐ Foreign Certificated Mechanic ☒ Certificated Repair Station ☐ Manufacturer	
		C. Certificate No. OE4R411M	
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.			
Date 8/07/92		Signature of Authorized Individual <i>Larry M. Fried</i>	
7. Approval for Return To Service			
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED			
BY	FAA Flight Standards Inspector	Manufacturer	Inspection Authorization
	FAA Designee	☒ Repair Station	Person Approved by Transport Canada Airworthiness Group
Date of Approval or Rejection 8/07/92		Certificate or Designation No. OE4R411M Signature of Authorized Individual <i>Larry M. Fried</i>	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Removed Narco NAV-12 Nav, ESCORT-110 Nav/Com, COM-120 Com, CP-25 Audio Panel, UGR-2A Glideslope Receiver and MBT-12R Marker Receiver.

Installed King KX-125 Nav/Com, KMA-24 Audio Panel, KX-155 Nav/Com/GS and KI-209 Vor/Loc/GS Indicator in the instrument panel.

Primary power connected per Mfg'r specifications. Electrical load computed to be within acceptable limits.

Weight and balance and equipment list revised to reflect alterations.

Installation made in accordance with AC43.13-1A, Chapter 11, Sec. 2,3,4,7; AC43.13-2A, Chapter 2; and in compliance with FAR 23.1301 and 23.1431.

-----END-----

☐ Additional Sheets Are Attached

RECEIVED
JUN 20 1977
WE-GADO-1

OKC

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		Form Approved Budget Bureau No. 04-R060.1	
MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		FOR FAA USE ONLY OFFICE IDENTIFICATION NY GADO 4-0-01	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.			
1. AIRCRAFT	MAKE American	MODEL AA-5	NATIONALITY AND REGISTRATION MARK N5877L
2. OWNER	SERIAL NO. AA5-0077	ADDRESS (As shown on registration certificate) 1601 W. 5th St. Oxn.	
NAME (As shown on registration certificate) Valenti Aviation			
3. FOR FAA USE ONLY			
4. UNIT IDENTIFICATION			
UNIT	MAKE	MODEL	SERIAL NO.
AIRFRAME	***** (As described in item 1 above) *****		
POWERPLANT			
PROPELLER			
APPLIANCE	TYPE		
	MANUFACTURER		
5. TYPE			
			REPAIR ALTERATION XX
6. CONFORMITY STATEMENT			
A. AGENCY'S NAME AND ADDRESS		B. KIND OF AGENCY	C. CERTIFICATE NO.
VALENTI AVIATION Radio Shop # 461 - 75 1601 W. 5th St. Oxnard, CA 93030		U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC XX CERTIFICATED REPAIR STATION MANUFACTURER	461-75
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.			
DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL		
6-17-77	Jim Lewis 2252335		
7. APPROVAL FOR RETURN TO SERVICE			
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED			
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT
DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL	
6-17-77	461-75	Jim Lewis 2252335	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed new Michel blind encoder model L115 S/N 1307. System was tested and meets the data correspondence requirements of FAR 91.36(b) and AC 43-6 table 2. Transponder system tested and meets requirements of FAR 91-177. Altimeter S/N is 72175.

Nothing Follows

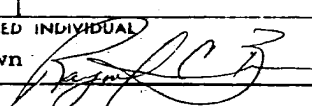
RECEIVED - AIRCRAFT REGISTRY

7-2-85

RECEIVED

RECEIVED - AIRCRAFT REGISTRY

ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				Form Approved Budget Bureau No. 04-R060-1	
MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)				FOR FAA USE ONLY OFFICE IDENTIFICATION NM-FSDO-61	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.					
1. AIRCRAFT	MAKE American Aviation		MODEL AA-5		
	SERIAL NO. AA5-0077		NATIONALITY AND REGISTRATION MARK U.S.A. N5877L		
2. OWNER	NAME (As shown on registration certificate) Gerardi Joseph J.		ADDRESS (As shown on registration certificate) 2124 Hermosa Ave. Apt. 3 Hermosa Beach CA. 90254		
	3. FOR FAA USE ONLY				
4. UNIT IDENTIFICATION					
UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
AIRFRAME	***** (As described in item 1 above) *****			REPAIR	ALTERATION
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				
6. CONFORMITY STATEMENT					
A. AGENCY'S NAME AND ADDRESS			B. KIND OF AGENCY		C. CERTIFICATE NO.
Raymond C. Brown 19203 3rd PL SE Bothell WA. 98012			☒ U.S. CERTIFICATED MECHANIC		A&P 564822528
			☐ FOREIGN CERTIFICATED MECHANIC		
			☐ CERTIFICATED REPAIR STATION		
			☐ MANUFACTURER		
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
DATE 2 April 1985			SIGNATURE OF AUTHORIZED INDIVIDUAL 		
7. APPROVAL FOR RETURN TO SERVICE					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED					
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	XX	INSPECTION AUTHORIZATION	
	FAA DESIGNER	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 2 April 1985		CERTIFICATE OR DESIGNATION NO. 564822528 IA		SIGNATURE OF AUTHORIZED INDIVIDUAL 	

NOTICE

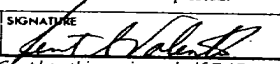
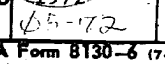
Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Removed vertical stabilizer P/N 5302038-501 and installed P/N 5302038-506. Removed Dorsal fin P/N 5302035-1 and installed P/N 5302040-1. Removed engine mount P/N 5501110-501 and installed P/N 5501111-501. Removed upper engine cowl P/N 5101020-503 and installed P/N 5101028-506. Removed lower Eng. cowl P/N 5101021-501 and installed P/N 5101031-502. Removed nose cowl P/N 5101022-501 and installed P/N 5101034-501. Replaced engine baffles. Installed cowling brackets at Sta. No. 50.0. Aircraft model number remains unchanged. Aircraft log books and weight and balance data updated.

NOTHING FOLLOWS

☐ ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION APPLICATION FOR 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 an attachment. For special flight permits complete Sections II and VI or VII as applicable.			
I. AIRCRAFT DESCRIPTION	1. REGISTRATION MARK	2. AIRCRAFT BUILDER'S NAME (make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFG.	5. FAA CODING		
	N 5877L	AMERICAN	AA-5	1972	0631410		
	5. AIRCRAFT SERIAL NO.	6. ENGINE BUILDER'S NAME (make)	7. ENGINE MODEL DESIGNATION	8. AIRCRAFT IS:			
	AA5-0077	Lycoming	0-320-E2G	41508			
II. CERTIFICATION REQUESTED	8. NUMBER OF ENGINES	9. PROPELLER BUILDER'S NAME (make)	10. PROPELLER MODEL DESIGNATION	11. AIRCRAFT IS:			
	One	McCauley	1C172 BTM 7359	☒ NEW ☐ USED ☐ IMPORT			
	APPLICATION IS HEREBY MADE FOR: (Check applicable items)						
	☒ STANDARD AIRWORTHINESS CERT. (Indicate category) ☒ NORMAL ☒ UTILITY ☐ ACROBATIC ☐ TRANSPORT ☐ GLIDER ☐ BALLOON ☐ SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)						
III. OWNER'S CERTIFICATION	☒ LIMITED ☐ CLASS I ☐ CLASS II ☐ PROVISIONAL (Indicate class) ☐ AGRICULTURE & PEST CONTROL ☐ AERIAL SURVEYING ☐ AERIAL ADVERTISING ☐ RESTRICTED (Indicate operation(s) to be conducted) ☐ FOREST (Wild life conservation) ☐ PATROLLING ☐ WEATHER CONTROL ☐ OTHER (Specify)						
	☐ EXPERIMENTAL (Indicate operation(s) to be conducted) ☐ RESEARCH AND DEVELOPMENT ☐ AMATEUR BUILT ☐ EXHIBITION ☐ RACING ☐ CREW TRAINING ☐ MKT. SURVEY ☐ TO SHOW COMPLIANCE WITH FAR						
	☐ SPECIAL FLIGHT PERMIT (Indicate operation to be conducted then complete Section VI or VII as applicable on reverse side) ☐ FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE ☐ EVACUATE FROM AREA OF IMPENDING DANGER ☐ OPERATION IN EXCESS OF MAX. CERTIFICATED TAKE-OFF WEIGHT ☐ DELIVERING OR EXPORT ☐ PRODUCTION FLIGHT TESTING						
	☐ C ☐ 6 MULTIPLE AIRWORTHINESS CERTIFICATE (Check appropriate Restricted Operation and Standard or Limited as applicable above)						
	☒ A. REGISTERED OWNER (As shown on Certificate of Aircraft Registration) IF DEALER, CHECK HERE ☒ X NAME ADDRESS 318 Bishop Road American Aviation Corporation Cleveland, Ohio 44143						
	☒ B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)						
	☒ AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.) A16BA			☐ AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.) N/A			
	☐ AIRCRAFT LISTING (Give page No.) 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 FAR 91.173 TOTAL AIRFRAME HOURS—Enter for used aircraft only N/A EXPERIMENTAL ONLY—Enter hours flown since last certificate issued or renewed N/A						
IV. INSPECTION AGENCY VERIFICATION	☒ D. CERTIFICATION—I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, 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		NAME AND TITLE (Print or type)		SIGNATURE		
	25 May 1972		Kent A. Valentino Assurance Rep.				
	☒ A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND/FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies)						
V. FAA REPRESENTATIVE CERTIFICATION	☒ FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)		☐ CERTIFICATED MECHANIC (Give Certificate No.)		☐ CERTIFICATED REPAIR STATION (Give Certificate No.)		
	☐ AIRCRAFT MANUFACTURER (Give Name of Firm)						
	DATE		TITLE		SIGNATURE		
☒ (Check ALL applicable blocks) I find that the aircraft described in Section I or VII meets the requirements for: ☒ The certification requested, or ☐ Amendment or modification of its current airworthiness certificate. Inspection for a special flight permit under Section VII was conducted by: ☐ FAA Inspector; certificate holder under ☐ FAR 65, ☐ FAR 121 or 127, or ☐ FAR 145.							
DATE		DISTRICT OFFICE		DESIGNER'S SIGNATURE AND NO.			
6 May 1972		GLE EMDA 1-0-42		 Kent A. Valentino American Aviation Corp. DOA EA-4 (PG 112)			
		FAA INSPECTOR'S SIGNATURE					

VI. PRODUCTION FLIGHT TESTING	A. MANUFACTURER	
	NAME	ADDRESS
	B. PRODUCTION BASIS (Check applicable item) CONVEYANCE FILED WITH FAA AIRCRAFT REGISTRY	
	PRODUCTION CERTIFICATE (Give production certificate number)	
	TYPE CERTIFICATE ONLY	
	APPROVED PRODUCTION INSPECTION SYSTEM	
	C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING THIS AIRCRAFT	
	DATE OF APPLICATION	SIGNATURE
	NAME AND TITLE (Print or type)	
	ADDRESS	
VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST	A. DESCRIPTION OF AIRCRAFT OKLAHOMA CITY, OKLA.	
	REGISTERED OWNER	ADDRESS
	BUILDER (Make)	MODEL
	SERIAL NUMBER	REGISTRATION MARK
	B. DESCRIPTION OF FLIGHT	
	FROM	TO
	VIA	DEPARTURE DATE
	DURATION	
	C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT	
	PILOT CO-PILOT NAVIGATOR OTHER (Specify)	
D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:		
THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION (Use attachment if necessary)		
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 Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.		
DATE	SIGNATURE	
NAME AND TITLE (Print or type)		
VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)	X A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable	G. Statement of Conformity, FAA Form 317 (Attach when required)
	B. Current Operating Limitations Attached	H. Foreign Airworthiness Certification for Import Aircraft (Attach when required)
	C. Data, Drawings, Photographs, etc. (Attach when required)	I. Previous Airworthiness Certificate Issued in Accordance with FAR _____ CAR _____ (Original attached)
	X D. Current Weight and Balance Information Available in Aircraft	J. Current Airworthiness Certificate Issued in Accordance with FAR 21.183(a) per 21.273 (Copy attached)
	E. Major Repair and Alteration, FAA 337 (Attach when required)	
	X F. This Inspection Recorded in Aircraft Records	

MICRO

FAA AIRCRAFT REGISTRY
CAMERA NO. 1N DATE: 6-7-85

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N5877L	AMERICAN AA-5	AA5-0077	Normal/ Utility
5. AUTHORITY AND BASIS FOR ISSUANCE This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein. Exceptions:			
6. TERMS AND CONDITIONS Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventive maintenance, and alterations are performed in accordance with Parts 23, 25, and 31 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.			
DATE OF ISSUANCE	FAA REPRESENTATIVE		DESIGNATION NUMBER
6 May 1972			FOA 1A4 (PC 112)

Any alteration, reproduction, or misuse of this certificate is prohibited. VIOLATION OF THIS CERTIFICATE MAY BE CAUSE FOR A FINE OF UP TO \$1,000, OR IMPRISONMENT NOT EXCEEDING 3 YEARS, OR BOTH. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362

GPO : 1967-O-270-931

FAA AIRCRAFT REGISTRY
CAMERA NO. 1N DATE: 6-7-85

OKLAHOMA CITY, OKLA.
AUG 9 4 06 PM '72

UNVEYANCE FILED WITH
FAA AIRCRAFT REGISTRY

FAA AIRCRAFT REGISTRY
CAMERA NO. 1N DATE: 6-7-85

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION			
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6. TERMS AND CONDITIONS Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 23, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.			
DATE OF ISSUANCE 6 May 1972	FAA REPRESENTATIVE <i>[Signature]</i> ADMINISTRATIVE CORP.		DESIGNATION NUMBER DIA AA-5 (PC 112)
Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.			
FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362		GPO : 1967-O-270-931	

FAA AIRCRAFT REGISTRY
CAMERA NO. 1N DATE: 6-7-85

RECORDED
INDEXED
FILED WITH

9 4 06 PM '72

OKLAHOMA CITY, OKLA.