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
1	or 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)) Nationality and Registration Mark Serial No. N67BF 461-2002 1. Aircraft Make Model Series American Champion 7GCAA Name (As shown on registration certificate) Address (As shown on registration certificate) Address 521 Kerry LN Jim Briggs 2. Owner Virginia beach State VA City **Briggs Aviation LLC** 23451 Zip Country United States 3. For FAA Use Only 4. Type 5. Unit Identification Repair Alteration Unit Make Model Serial No. (As described in Item 1 above) AIRFRAME **POWERPLANT PROPELLER** Type **APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency John H. Sanders Jr. U. S. Certificated Mechanic Manufacturer Address 1026 Consolidated Rd Foreign Certificated Mechanic C. Certificate No. Elizabeth City City State NC Certificated Repair Station 3527277 27909 Zio Country Certificated Maintenance Organization 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 John H. Sanders Jr. 06/25/2019 App. B 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 FAA Fit. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Department of Transport Inspector ΒY Other (Specify) **FAA Designee** Inspection Authorization Repair Station Certificate or Signature/Date of Authorized Individual Designation No. John H. Sanders Jr. 06/25/2019 3527277

FAA Form 337 (10-06)

	N67BF	$\neg \neg$	6/25/2019
	Nationality and Registratio	n Mark	Date
moved Apollo SL70 transponder. Installed Garmin Catallation Instructions. Installed Garmin 345WAAS traproval letter. no weight and balance needed weight follows: Transponder check required every 24 calent the catalogue of the c	ansponder S/N: 3EG422346 IA change less than 1 LB. Instruct ndar months. and discrepancies	W STO	IAW Garmin G-5 SA01818WI and Garm r continued airworthines
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# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

$\vdash$		For FAA Use Only
O E	MB No. 2120-0020 xp: 5/31/2018	Electronic Tracking Number

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1. #	Aircraft	Make A	meri	can Ch	amı	oion	Model 7G	CAA		Series	
		1		registration certific	cate)		Address (As s		gistration	certificate)	
2. (	Owner	Briggs	Aviatio	n L.L.C.			City Virginia	_		State VA	
							Zip <u>23451</u>		Coun	try USA	
<u> </u>						3. For FAA Us	Only		<u> </u>		
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ł	Repair	Alteration	Un	t	Ma	ke		Model		Serial No.	
		х	AIRFRAN	1E Americ	can Champ	ion	(As described in Item 1 above)			461-2002	
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			APPLIAN	CE Manufacturer	Type   Manufacturer						
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City Zip	Bartles 74006	· · ·	untry USA	State Oklaho	ma	<del></del>	Repair Station  Maintenance Organ	3038853			
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per	ended rar 14 CFR F p. B	_		Signature/Date of	len	4/	11/08	120	9/7		
				persons specifie on Administration	d below	proval for Retu , the unit iden	<del></del>	/as inspect		e manner prescribed by the	
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US Department
of Transportation
Federal Aviation
Administration

## **MAJOR REPAIR AND ALTERATION**

OMB No. 2120-0020 Exp; 8/31/2014	Electronic Tracking Number
	For FAA Use Only

of Transporta Federal Avia Administrati	tion tion	(Airfra	me, P	owerplant, Pro	p	eller, or A	pplia	nce)			•	TOTT AN USE ONLY	
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	Name (A	s shown o	n regist	ration certificate)				Address (As s			•		
2. Owner	Barros	s, Anto	nio				l	City Nowata		/ Callac	<del></del>	State OK	
						3. For FAA L	Jse Or	Zip 74048			Count	try USA	
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US Department
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# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

OMB No. 2120-0020 Exp: 8/31/2014	Electronic Tracking Number										
For FAA Use Only											

Federal Aviation	ion	الكاناناظان		Ower plain, 1 10p	<i>,</i> C	; II C I ,	oi Appii	ance,							
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	Nationalit N67BF	ty and Regis	tration	n Mark			<del></del>	Serial No.	31-2	2002	2				
1. Aircraft	Make A	meric	an	Champio	n	ı A	ircraf	t Model 7G0	CA	A		n/a			
			-	ration certificate)				1 '	Address (As shown on registration certificate) Address HC 62 Box 167 / Canaan Ranch Rd 20 East						
2. Owner	Barros	s, Anton	10	•				City Nowata	1		Count	State OK Jountry USA			
					3	. For	FAA Use (	Only							
4. Ty					5	5. Uni	it Identifica	tion							
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City Roche				State WI	<b>\</b>		Certificated R				0. 001				
Zip 53167	Cor	untry USA				<u></u>	Certificated N	Maintenance Organ	izatio	1		F35R977Y			
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Extended rai per 14 CFR I App. B			Signa	ature/Date of Authoriz	ze	ed Ind	lividual .	10/15/1	<b>'</b>						
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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.)
	N67BF	10/15/2014
·	Nationality and Registration	
Right Wing - Removed and replaced right wing trailing edg damaged area, and reattached per American Champion Airc edge 3" fabric tape. Removed and replaced the top 3" fabric specification CFI-1. Wing was repainted per ACA FAA Appendix of the top leading edge/spa specification CFI-1. Left wing was painted per ACA FAA	raft (ACA) FAA Approved specific tape at wing station 18, tape was inproved specification CF-4.  The cap 3" fabric tape. Tape was installed.	cation CFI-1. Replaced the trailing installed per ACA FAA Approved
FRA work order 002719.		
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. Addit	ional Sheets Are Attached	

US Department of Transportation Federal Aviation Administration

## **MAJOR REPAIR AND ALTERATION**

(Airframe, Powerplant, Propeller, or Appliance)

Form approved OMB No. 2120-002

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 threof) for instructions and disposition of this form. This form 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).

901 Fed	ierai Avi	ation Act of 1958).													
		Make AMERI	CAN	CHAMPIC	ON AIR	RCRAF.	Т	Model	7GC	AA					
1. Airc	raft	Serial No.	46	51-2002				Nationa	ality and Registration Man	rk					
		N (4 )			~			Address (As shown on registration certificate)							
		Name (As shown on	_	ation certi RILL JAC				1	: (As shown on registration TAILWIND DR	n certificate)					
2. Owr	ner			ILL SAN				I	GUIN TX 78155-0791						
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San M	arcos,	Tx 78666			$\vdash$		acturer		The second secon						
D. Loortif	v that the	renair and/or alteration n	nade to	the unit(e)				nd described on	the reverse or attachment h	pereto					
		*		• • •					tions and that the information						
		ein is true and correct to the													
Date		4/27/2005				Siş	gnature of	Authorized In	dividual						
				-		7 Appr	oval for F	Return to Serv	vice						
Pursuan	t to the a	uthority given persons sp	ecified	below, the					manner prescribed by the						
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BY		FAA Designee	V	Repair S	tation		4	on Approved by	•						
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Date of A		l or Rejection 4/27/2005		Certificat Designat	ion No		Sign	Signature of Authorized Individual							
				EEKR4	29K		-1/2								

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 GX65 GPS/COM and GPS antenna.

Installed Garmin GNS420 GPS/COMM at station -5.0, GA 56 antenna at station 7.5 and Model108 speaker amp per installation manual P/N 190-00140-02 rev N dated February 2005. The ground and flight test procedures as specified in AC-20-138A (paragraphs 22 and 23) dated 12/22/2003 have been completed with the installation of this GNS430 system is qualified as a minor alteration as outlined in AC-20-138A paragraph 8 section C(1)(iii) and sections (2 and 3). A placard was placed on the panel stating (GPS NOT APPROVED FOR IFR NAVIGATION).

Metal work on this aircraft has been accomplished in accordance with Advisory Circular 43.13-1B, Chap. 4, and Chap. 7. Circuit protection was installed and electrical loads were checked in accordance with Advisory Circular 43.13-1B Chap. 11, section 4, and 43.13-2A, Chap. 2, Par. 27.

All radio installations listed on this 337 were accomplished in accordance with Advisory Circular 43.13-2A and Antenna installation in accordance with 43.13-2A Chap. 3. The Aircraft equipment list revised to reflect these changes. Weight and balance revised and recorded in the aircraft records this date.

A functional test of all of the equipment listed on this 337 has been performed in accordance with FAR 23.1301 and checked in accordance with FAR 23.1431 for operating satisfactorily and did not adversely effect any other components in the aircraft.

Reference attached sheet for Instructions for continued Airworthiness Checklist (ICA) Dated April 27,2005.

McKee Avionics Inc. 1838 Air Port Dr. San Marços, Tx' 78666 FAA Repair Station EEKR429K

Date: April 27,2005

#### INSTRUCTIONS FOR CONTINUED AIR WORTHINESS

1. Introduction: This document is to be attached to FAA form 337 dated April 27,2005 for the aircraft listed.

Make: American Champion Aircraft

Model: 7GCAA S/N: 461-2002 Registration: N67BF

The information contained in the document pertains to the continued maintenance for the major alteration as described in item #2 below.

- 2. Description: Installed Garmin GNC420 GPS/COM.
- 3. Control and operation information: This equipment should be operated in accordance with the manufacturers operating handbook.
- 4. Servicing information: This equipment is not field repairable and should be returned to an FAA approved facility for service
- 5. Maintenance installations: The scheduled maintenance tasks required by this modification are to be added to the aircraft owner/operators appropriate air place maintenance program as follows.
  - Perform per insulation manual P/N 190-00140-02 on at least an annual basis a period inspection of the equipment rack, equipment mountings, associated wiring, cables, connectors, hardware, antenna and related aircraft structure for integrity, security wear, chaffing, and etc. Special attention should be given to the aircraft primary structure with regard to fatigue and stress cracking, corrosion, etc.
- 6. Troubleshooting information: Refer to the equipment insulation manual P/N 190-00140-02 for troubleshooting should a malfunction
- 7. Removal and replacement information: This equipment is not field repairable and should be removed from the aircraft by an FAA approved service personnel.
- 8. Diagrams: N/A
- 9. Special Inspection Requirement: N/A
- 10. Application of protective treatments: N/A
- 11. Data: N/A
- 12. List of special tools: N/A
- 13. Commuter category information: N/A
- 14. Recommended overhaul periods: There are no recommended overhaul periods.
- 15. Airworthiness limitations: There are no airworthiness limitations.
- 16. Revisions: In order to revise this ICA and FAA form 337 and a copy of the revised ICA will be submitted to the local FSDO for approval.
- 17. Assistance: When the Flight Standards Inspectors' has any questions regarding ICA or needs assistance with ICA, they may contact, Joe McKee at (512) 392-1172.
- 18. Implementation and Record Keeping: For major alterations performed in accordance with FAA field Approval policy, the owner/operator operating under part 91 is responsible for ensuring that the ICA is made part of the applicable sections 91.409 inspection program for their aircraft. This is accomplished when a maintenance entry is made in the aircraft's maintenance record in accordance with section 43.9. This entry records the major alteration and identifies the original ICA location (e.g., Block 8 of FAA Form 337, dated April 27,2005) along with a statement that the ICA is now part of the aircraft's inspection/maintenance requirement. For major alterations performed in accordance with a field approval on air carrier aircraft, the air carrier operator is responsible for ensuring the ICA is made part of the applicable inspection/maintenance program to the aircraft. If a procedure is not currently included in the operator's manual to incorporate ICA, this process will need to be appropriately addressed (i.e. the operator submits a revision of

For aircraft inspected under an Approved Aircraft Inspection Program (AAIP), the operator will submit a change to the CHDO in accordance with section 135.149b).

For air carrier aircraft inspected using and annual/100 hour inspection program, a reference to the new ICA will be made in the aircraft's maintenance record in accordance with section 43.9. This entry records the major alteration and identifies the original ICA location. (e.g., ICA are located/attached to Block 8 of FAA form 337, dated April 27,2005). In addition, the operator will request a revision to the operator's Operations Specifications, additional maintenance requirements, which incorporates the ICA into the inspection program.

**Inspector:** 

Joe Make

the maintenance program to the applicable certificate-hold district office (CHDO).

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U.S. Department
of Transportation
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# **APPLICATION FOR**

INSTRUCTIONS - Print or Type. Do not write in shaded areas. These are for

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B. DESCRIPTION OF FLIGHT CUSTOMER DEMONSTRATION FLIGHTS (Check if applicable)  FROM  VIA  C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND IT'S EQUIPMENT  PILOT  D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIRMENTS AS FOLLOWS:  E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION: (Use attachment if necessary)														
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	I Ead	local Aviation Administration	in accordance	with I	ille 49 of the Chileu	States (	Code 4	44101 <u>et seq.</u> and applica	ble Federa	aircraft is registered with the all Aviation Regulations; and that the				
	airc	raft has been inspected and	d is airworthy to	r the 1	light described.  ITLE (Print or Type)				-	SIGNATURE				
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-	+	A. Operating Limitations	and Markings in	com	pliance with 14 CFR	2		G. Statement of Confor	mity, FAA	Form 8130-9 (Attatch When Required)				
တ္တ ဒု	X	section 91.9, as Applicab	le	2000										
		B. Current Operating Lim	itations Attache	ed				H. Foreign Airworthines (Attatch When Required	s Certifical )	tion For Import Aircraft				
NTA I	<b>į</b>  —				ttatch When Required)									
VIII. AIRWORTHINESS DOCUMENTATION	5	C. Data, Drawings, Photo					I. Previous Airworthiness Certificate Issued In Accordance V							
¥ 00 €	X	D. Current Weight and B	alance Informa	ion A	vailable in Aircraft		]	14 CFR Section	1	CAR (Original Attatched)				
	-	E. Major Repair and Alte	ration, FAA For	m 33	7 (Attatch When Red	quired)	-	1. Committees Continued In Accordance With						
1	-	<u> </u>					X	14 CFR Section 21.18		(Copy Attaiched)				
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UNITED STATES OF AMERICA

DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

#### -----STANDARD-AIRWORTHINESS-CERTIFICATE 1. NATIONALITY AND 2. MANUFACTURER AND MODEL REGISTRATION MARKS 4. CATEGORY 3. AIRCRAFT SERIAL NUMBER AMERICAN CHAMPION NORMAL ACROBATIC

NGTBE

AIRCRAFT - 7GCAA

ACROBATIC

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:

#### MONE

620:1967-O-270 931

	NO.	NE	
this airworthiness certific	d, suspended, revoked, or a termina ate is effective as long as the main with Parts 21, 43, and 91 of the F the United States.	tenance, preventative	maintenance, and alterations are
DATE OF ISSUANCE	FAA REPRESENTATIVE	IIIA DH	DESIGNATION NUMBER
_MARCH 19 2002	DALE L. GAUGER	Wale T. A.	DMIR501214CE
prisonment not exceeding 3	, or misuse of this certificate may years, or both. THIS CERTIFICATE DERAL AVIATION REGULATIONS.	be punishable by /a/7	ine not exceeding \$1,000, or im- IN THE AIRCRAFT IN ACCORD-
FAA Form 8100-2 (7-67)	FORMERLY FAA FORM 1362		620 : 1967—O-270 931

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FAA Form 337 (12-88)

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

Form Approved OMB No.2120-0020

For FAA Use Only

Office Identification

Federal Aviation

Administration 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) Make the MUR- MOTING BRANEAUS SA PANTEOUS MODAL Model-300 OLEGRANDO MOTAJUATORE DESURBANO 1. Aircraft AMERICAN CHAMPION AIRCRAFT (37 YOUTAN BOARB) ELA SOLICIO DE APROPIA A BOSA DE DESARRO DI CONTRO DI CO Serial No. Nationality and Registration Mark 461-2002 N67BF Name (As shown on registration certificate) Address (As shown on registration certificate) 2. Owner **AMERICAN CHAMPION AIRCRAFT** P.O. BOX 37 ROCHESTER, WI 53167 3. For FAA Use Only 4. Unit Identification Unit Make Model Serial No. Repair Alteration X **AIRFRAME** -(As described in item 1 above)-**POWERPLANT PROPELLER** Type **APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency C. Certificate No. U.S. Certificated Mechanic FOX RIVER AVIATION ENTERPRISES INC. F35R977Y P.O. BOX 355 Foreign Certificated Mechanic ROCHESTER, WI 53167 **Certificated Repair Station** 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 3-19-02 **DALE L GAUGER** 7. Approval for Return To Service Pursuant to the authority given persons specified below, the unit identified in item 4 was the Administrator of the Federal Aviation Administration and is APPROVED inspected in the manner prescribed by REJECTED FAA Flt. Standards Other (Specify) Manufacturer Inspection Authorization BY Inspector Person Appoved by Transport Canada Airworthiness Group X FAA Designee Repair Station Date of Approval or Rejection Certificate or Designation No. Signature of Authorized Individual F35R977Y **DALE L GAUGER** 

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.)

THE FOLLOWING ITEMS HAVE BEEN INSTALLED IN THIS AIRPLANE IN ACCORDANCE WITH THE MANUFACTURES SPECIFICATIONS AND 43.13 PART 2A.

- 1. APOLLO SL70 TRANSPONDER SERIAL NO. 6052190 AND INTERCONNECTED WITH AN AMERIKING AK350 BLIND ENCODER SERIAL NO. 44520 INSTALLED IN ACCORDANCE WITH AC 43-6A APPENDIX 2 FOR COMPLAINCE WITH FAR 91-217.
- 1A TRANSPONDER WAS TESTED TO FAR 91.413 REQUIREMENTS IN ACCORDANCE WITH FAR 43 APPENDIX F.
- 1B STATIC SYSTEM, ALTIUDE REPORTING EQUIPMENT AND TRANSPONDER INTEGRATION WAS CHECKED IN ACCORDANCE WITH FAR 91.411.
- 1C. COMPLED WITH FAR APPENDIX E, PARAGRAPH A AND C.
- 1D. ALL WORK IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND AC 43.13-1A CHAPTERS 10, 11, AND 12.
- 2. INSTALLED A PSE PM 1000II INTERCOM.
- INSTALLED A AIRWOLFE REMOTE OIL FILTER.
- INSTALLED AN E.I. SR8-4A SMART SCAN.

AIRCRAFT WEIGHT AND BALANCE AND FOLIPEMNET. LIST REFLECT THESE INSTALLTIONS, COMPLETED

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## **MAJOR REPAIR AND ALTERATION**

Form Approved	
OMB No.2120-0020	

For FAA Use Only

Federal Aviation
Administration

U.S. Department of Transportation 7 25 2002 (Airframe, Powerplant, Propeller, or Appliance)

Office Identification

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8. Description of Work Accomplished	1
(If more space is required, attach additional s	heets. Identify with aircraft nationality and registration mark and date work completed.)
ACCOMPLISED INSTALLATION OF APOLLO	EX-65 GPS/COM RECEIVER AT FUSELAGE STATION -5.84 IN THE ED'AT FUSELAGE STATION 7.50 MOUNTED AT TOP INBOARD END OF R.H.
THIS GPS INSTALLATION COMPLIES WITH:  * FAR 23.1301, 23.1309, AND 23.1431  * APOLLO INSTALLATION MANUAL, PN 560  * AC 20-138 PARAGRAPH 7 (C) (2) (I), (II), (II), (III), (III), (III), (IIII), (IIIIIIIIII	D-0959-03B DATED:MAY, 2000. & (III). RVICE OF THIS AIRCRAFT; REFERANCE BLACK 7 OF THIS FORM 337, A FY SYSTEM ACCURACY BY (5) LOW ALTITUDE OVERFLIGHTS OF ONE OR
AIRCRAFT WEIGHT AND BALANCE AND EQUAIRCRAFT MAINTENANCE RECORDS.  GPS TO BE OPERATED IN ACCORDANCE W. TO THE OWNER/OPERATOR.	RDED IN FULL VIEW OF THE PILOT. GPS FOR VFR USE ONLY. REVISED  JIPMENT LIST TO REFLECT THIS INSTALLATION COMPLETED ENTRY IN THE  JITH THE APOLLO OPERATIONS INSTRUCTIONS WHICH HAVE BEEN PROVIDED
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