US Department
of Transportation
Federal Aviation
a sector to the sector

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

	Electronic Tracking Number
MB No. 2120-0020	
2022044	

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

			orm. This report is red 301(a)).	quired	d by	law (49 U.S.	C.§44701).	Failu	e to report o	an result	in a civil pe	naity for	
each such violation. (49 U.S.C. §46301(a)). Nationality and Registration Mark N6572E					Serial N 56072		 						
1. Aircraft	Make CESS	NA					Model 175			S	Series `		
Name (As shown of HAYS, MARK J			wn on registration certificate)					shown on re	-				
2. Owner					·	City	SEC	UIM			State WA		
	3 For FAA Usa						Zip	983	32	Country	USA		
	3. For FAA Use Only												
		···											
4. Ty	/pe				5. U	nit Identifica	ation				1		
Repair	Alteration	Unit		Mak	e				Model			Serial No.	
	X	AIRFRAME			-		(As descr	ribed	in item 1 abo	ove)			
		POWERPL	ANT										
		PROPELLE	R							···			
		APPLIANC	Type Manufacturer										
	Ni			6.	_	nformity Sta							
A. Agency's Name SEC		Address EY AIRCRAF	T INC		X B.	Kind of Age	····			Mani	ıfacturer	<u></u>	
	DOROTHY		1, 1140.	_		X U. S. Certificated Mechanic Manufact Foreign Certificated Mechanic C. Certifical							
	NIUC	- UCA	State WA	_		Certificated Repair Station IA53978			9782858				
		Country <u>USA</u>	atiion made to the un		dent		aintenance Org			 -			
have bee	n made in ac	ccordance wi	th the requirements of to the best of my ki	of Par	t 43	of the U.S. F	ederal Avia	tion F	Regulations	and that t	he information	on	
Extended ran per 14 CFR I App. B	•	<u> </u>	Signature/Date of Aut	horize	ed Ir	ndividual	D.	7 -		L	<u>~</u>		
			. 7	. Ap	rov	al for Retur	n to Servic	e					
			ons specified below, Administration and is		nit ic		tem 5 was ii Approved	nspec	ted in the n		rescribed by	the	
l i lin	AA FIt: Stand	dards	Manufacturer		Mai	intenance Or	ganization	_		ns Approved ment of Tra	by Canadian		
BY F	AA Designee	e	Repair Station	x	Ins	pection Auth	orization		Other (Spec	cify)			
Certificate or			Signature/Date of Au	thoriz	ed l	ndividual		75		\sum			
Designation I			11/16/2012	<	<u> </u>	John.	<i>S</i> /.	/	1	it	·~		

R	1	1	~	
IV		, , ,	н.	

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 a	aircraft nationality and registration ma	ark and date work completed.)	
	N6572E	11/16/2012	
	Nationality and Registra	tion Mark Date	
Removed Electro Delta voltage regulator P/N VR600.			
Installed Zeftronics alternator controller unit Model No 01/31/91.	o. R15V00 I/A/W Zeftronics dr	awing No. Z00IDC dated	
Instructions for continued airworthiness are contained	in Zeftronics installation instr	uctions.	
Negligible change to weight & balance.			
·			
		•	
			• -
garan and a second			
	;		
MANAGAR ER	$\mathcal{L}_{T, \bullet}^{\mathcal{N}} = \{ (x, y) \mid y \in \mathcal{N}_{\bullet}^{\mathcal{N}} \}^{1/2} $	Kantang T	
And the second of the second o			
A Same of the same		•	

United States of America

Department of Transportation—federal Aviation Administration

Supplemental Type Certificate

Number SA8031SW

This corlificate, issued to Tovya Group, Inc. dba Zeftronics 1622 E. Whaley St. Longview, TX 75601-6830

cortifies 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 Gart * of the *

Original Product — Type Gerlificate Number: * *See

Make: * attached FAA Approved Model List

No. SA8031SW for list of approved aircraft and certification data.

Description of Type Design Change :-

Regulations.

Installation of Zeftronics Alternator Controller Unit P/N R15100 (Product Configuration File ZOCPCE), or R15V00 (Product Configuration File ZODPCF), in accordance with Zeftronics Drawing Z00IDC, dated 1/31/91 (R15100), or Z00IDD, dated 1/31/91 (R15V00), or later FAA approved revision.

Limitations and Conditions Compatibility of this modification with previously installed equipment must be determined by the installer.

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

Date of application January 31, 1991

Sale wissued :

Gale of issuance :

May 28, 1991

Rev auranded 01/06/92, 11/17/92, 1/6/94

By direction of the Administrator

Mark R. Khill Mark R. Schilling Wanager Special Certification Office

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

endfilologica (seekoorden järjätä eri Johannyt kotoonoorge Elionoorge Soortelij on vät tiin

the first of the second second

 $(\mathbf{r}_{i}, \mathbf{r}_{i}, \mathbf{r$

US Department
of Transportation
Federal Aviation

Form Approved OMB No. 2120-0020 2/28/2011	Electronic Tracking Number
F	or FAA Usa Only

1				MAIC	O DEDAID /	חמו	AI 7	TERATIO	ы		2/28/201			
of Fe	Department reasportation (Airframe, Powerplant, Propeller, or Applian ministration												For FAA Usa Only	
in	structions	s and dispos ion. (49 U.S.	ition of .C. §46	of this form. 6301(a))	. This report is r				S.C. §4470	01). Failure t			sequent revision thereof sult in a civil penalty for e	
		Nationalit N6572	-	Registratio	n Mark				Serial N 56072					
1. Aircraft Make							Model			1	Series			
		CESSN			· - 47 425 4-	,			175 175 Address (As shown on registration certificate)					
					tration certificate)				s (As shown 72 JAMES)				
2. 0)wner	HAYS,	MAR	tK J					-	SEQUIM			State WA	
		Ш						<u></u>	Zip <u>9</u>	98382		Count	ry USA	
		<u></u>						or FAA Use	Only					
:	The tecnnical data identified herein has been found to comply with applicable sinworthiness requirements and is hereby approved for use only on the above decribed aircraft, subject to conformity inspection by a person in FAR 43.7 DATE FAA Inspector, NM-FSDO-01													
	4. Typ	ре					5. U	Init Identifica	ation					
F	Repair	Alteration		Unit		Ma	ke			Mode	el		Serial No.	
			AIRF	RAME					(As de	scribed in Ito	em 1 a	bove)		
		Ø	POW	VERPLANT	FRANKLIN				6A-350-	-C2			61023	
			PRO	PELLER										
			APPL	LIANCE	Type Manufacturer									
Λ Δ	conade t	Name and A	ddroer			6		of Agenc						
					LLEY A/C INC.			U. S. Certification		nic	$\overline{}$	Manı	ufacturer	
	253 464 D	OROTHY				_	廿	Foreign Certi	ficated Mech	hanic	一士	C. Certific		
City	<u>SEQU</u> 98382		untry U	JSA	State WA	<u>-</u>	H	Certificated F		on Organization		IA5397	82858	
D.	have be	een made in	accord	dance with	tion made to the the requirement to the best of my	ts of i	Part 4	43 of the U.S	m 5 above i. Federal A	e and descr viation Reg	ribed or julation	n the reve s and tha	erse or attachments heret t the information	to
	ended ran	-		Signa	ature/Date of Au	thoriz	zed In	ndividual		$\overline{}$				
per <u>App</u>	14 CFR P <u>. B</u>	'art 43	 		<u> </u>	Di	<u> </u>	. <i>0</i> .		elle	<u>~</u>	, -	7/15/201	1
		- 44		•				al for Return						
	dministrate	or of the Fed	deral A		ons specified be ministration and		, the	_	Approve	_	nspecte Rejected		e manner prescribed by	the
BY		A Fit. Stand spector	ards	Man	nufacturer		Mai	intenance Or	ganization		Depart	ment of Tra	d by Canadian ansport	
	FA	A Designee	,		air Station	V	<u> </u>	pection Author	orization	Other	r (Spec	oify) 		
Desi	ificate or gnation N	10. 97828		. "	ature/Date of Aut	thoriz	ed In	idiviđual		>		7,	15/2011	
	42 A	フノアコY	~~~	-	/ /21		/ L	/			_	, ,	1 - 1001	

FAA Form 337 (10-06)

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.

	N6572E	07/15/2011
	Nationality and Registra	tion Mark Date
STALLED SECONDARY CRANKSHAFT SEAL K TH GROOVES FOR A FELT SEAL AND AN ADD		
RIMARY CRANK SEAL ADAPTER PLATES ARE DLTED TO THE CRANKCASE WITH AN/MS HAR DRFACES.		
CHANGE TO WEIGHT AND BALANCE.		
STRUCTIONS FOR CONTINUED AIRWORTHIN	ESS ARE CONTAINED IN AC	43.13 1B.
E ATTACHED PHOTOS OF INSTALLATION.		
• •		
		·



July 15th, 2011

Dear Mr. Paden,

I am requesting authorization for the installation of a secondary crankshaft seal assembly on a Cessna 175 powered by a Franklin PZL 6A-350-C2 215HP engine. This installation does not affect the operation or performance of this aircraft or engine.

Reason for installing this kit:

Franklin engines have had a history of crankshaft seal leakage, usually due to their high compression rating (in this case 10:5-1); so I've been told by Franklin engine experts.

Franklin engine Co. had addressed this issue some years ago and designed a secondary (or back-up seal assembly) which bolted to the crankcase in front of the primary crankshaft seal. This secondary seal assembly consisted of a two piece cast aluminum housing incorporating a felt seal and a drain back tube that routed leaking oil back into the crankcase.

These secondary seal assemblies are no longer available, fortunately a gentleman by the name of Bruce Kown of Cartersville, GA (770)386-7435, has taken an original Franklin secondary seal assembly and by using a state of the art CAD/CAM program and a CNC machine, duplicated and improved upon the original Franklin design. The new and improved design consists of a two piece precision machined housing made of 6061 T6 aluminum with a groove for a felt seal and crankshaft seal. (Original Franklin P/N) It was drilled for two ¼-28 AN/MS bolts with an acceptable grip length and AN/MS flat and internal locking washers. The assembly bolts to the crankcase in place of the original crank seal keeper plates. TCM gasket maker is applied to the mating surfaces of the crankcase and secondary housing. The inside lip of the secondary crank seal is lubricated not only by the leakage of the primary seal but molybdenum grease is applied for additional lubrication. No additional servicing is required. AC 43.13 18 may be referenced for instructions for continued airworthiness.

According to Mr. Kown, this seal kit has been used on many aircraft that are equipped with the Franklin engines and has proven to be a reliable means of stopping excessive oil leakage past the primary crank seal.

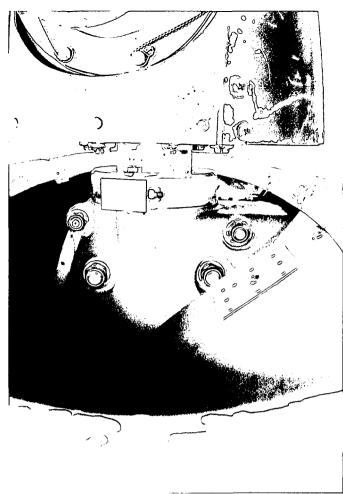
Please refer to the attached photos to review the completed work.

Thank you for your consideration and time.

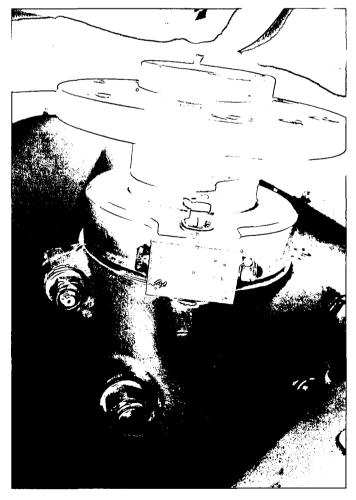
John D. Rollston

			, ,
		·	
	٠.,		

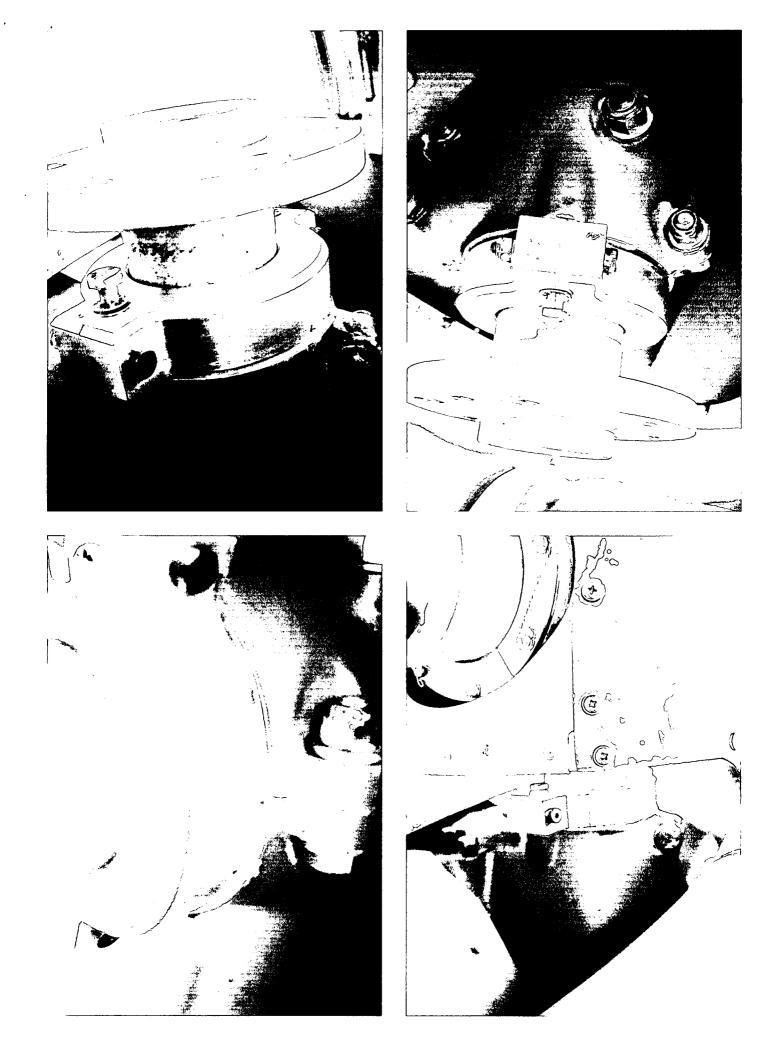








			,
			·
	•		



		•	•

A/C Ma	ake: CESSNA	Model: 175	S/N: 56072	Reg. #: N6572E					
Revisio	n: N/A	Date: 07/15/2011							
				ly with FAA Handbook Bulletin for pove when the following equipment is					
SYSTEM	1: SECONDARY CRANKS	HAFT SEAL INSTALLATION							
ITEM		CHECKLIST INFORMATION							
1.	any other information of		arrangement, applicability, o	ponent that has been altered. Include definitions, abbreviations, precautions, icable.					
	Comment: DUE TO HIG	CH CRANK CASE PRESSURE AN	ADDITIONAL CRANKSHAFT S	EAL IS INCORPORATED.					
2.	Description: Of the ma	ajor alteration, its functions, in	cluding an explanation of its	interface with other systems, if any.					
3.	Control: Operation inf Comment: N/A	ormation: Or special procedur	es, if any.						
4.	Servicing information Comment: PER AC43.1		servicing points, and location	n of access panels, as appropriate.					
	Comment, 12tv/tovo.			-					
5.	alteration components a work recommended at the equipment installed special notes, cautions,	each scheduled maintenance p where appropriate (e.g., funct or warnings, as applicable.	ted, adjusted, tested, including eriod. This section can refer tional checks, repairs, inspect	g applicable wear tolerances and to the manufacturers' instructions for tions.) It should also include any					
	Comment: INSPECTED	I/A/C FAR PART 43 APPENDIX I	D. REPLACED UPON CONDITION	DN.					
6.	Trouble shooting info and the remedial action		ing probable malfunctions, he	ow to recognize those malfunctions,					
	Comment: PER AC 43.1	3 1B AND FAR PART 43 APPEN	DIX D.						

		,

7.	Removal and replacement information: This section describes the order and method of removing and replacing							
products, parts and any necessary precautions. This section should also describe or refer to manufacturer's instructions to make required tests, trim checks, alignment, calibrations, center of gravity changes, lifting or shoring, etc., if any.								
	to make required tests, trim checks, alignment, calibrations, center of gravity changes, lifting or shoring, etc., if any.							
i	Comment: PER AC 43.13 1B							
	Diagrams: Of access plates and information, if needed, to gain access for inspection.							
8.								
	Comment: N/A							
9.	Special inspection requirements: Such as X-ray, ultrasonic testing, or magnetic particle inspection, if required.							
<i>,</i> .	Comment: N/A							
	Application of protective treatments: To the affected area after inspection and/or maintenance, if any.							
10.								
	Comment: N/A							
11.	Data: Relative to structural fasteners such as type, torque, and installation requirements, if any.							
11.	Comment: PER AC 43.13 1B							
	List of special tools: Special tools that are required, if any.							
12.								
	Comment: N/A							
13.	For commuter category aircraft: The following additional information must be furnished, as applicable:							
	A. Electrical loads							
	B. Methods of balancing flight controls C. Identification of primary and secondary structures							
	D. Special repair methods applicable to the airplane.							
	C ANIA							
	Comment: N/A							
14.	Recommended overhaul periods: Are required to be noted on the ICA when an overhaul period has been set by the							
	manufacturer of a component, or equipment. If there is no overhaul period, the ICA should state for item 14: "No additional overhaul time limitations."							
	Comment: N/A							

CESSNA 175 56072 N6572E

			h. •

15.	Airworthiness Limitation Section: Include any "approved" airworthiness limitations identified by the manufacturer or FAA Type Certificate Holding Office (e.g., An STC incorporated in a larger field approved major alteration may have an airworthiness limitation.) The FAA inspector should not establish, alter, or cancel airworthiness limitations without coordinating with the appropriate FAA Type Certificate Holding Office. If there are no changes to the airworthiness limitations, the ICA should state for item 15: "No additional airworthiness limitations" or "Not Applicable." Comment: N/A
16.	Revision: This section should include information on how to revise the ICA. For example, a letter will be submitted to the local FSDO with a copy of the revised FAA Form 337 and revised ICA. The FAA inspector accepts the change by signing Block 3 and including the following statement: "The attached revised/new Instructions for Continued Airworthiness (date) for the above aircraft or component major alteration have been accepted by the FAA, superseding the Instructions for Continued Airworthiness (date)." Once the revision has been accepted, a maintenance record entry will be made, identifying the revision, its location, date of the Form 337. Comment:

Note:

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 section 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 5/28/98) along with a statement that the ICA is now part of the aircraft's inspection/maintenance requirements.

For major alterations performed in accordance with a field approval on air carrier aircraft, the air carrier operator is responsible for ensuring that the ICA is made part of the applicable inspection/maintenance program for their 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 to its maintenance program to the applicable certificate-holding district office (CHDO).

For aircraft inspected under an Approved Aircraft Inspection Program (AAIP), the operator will submit a change to the CHDO in accordance with section 135.419 b).

For air carrier aircraft inspected using an 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 5/28/98). 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.

				•
			·	
·		·		

US Department
of Transportation
Federal Aviation
A -d11

MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number				
For FAA Use Only					

F	of Transportation Federal Aviation Administration (Airframe, Powerplant, Propeller, or Appliance)													
		o and dispos	at or type all er sition of this for s.C. §46301(a))	tries. See Title m. This report is	14 C requ	FR	R §4:	3.9, Part 4 law (49 U	3 Appendia .S.C. §447	х В, 01).	and AC 43.9 Failure to re	9-1 (or sul port can re	bsequent revision thereof) for sult in a civil penalty for each	
	Nationality and Registration Ma N6572E									Serial No. 56072				
3. /	Aircraft	Make Cessna						Model Series			Series			
									175					
١,	•		s snown on reg. MARK J	istration certificat	te)				Address	s <i>(As</i> 72 J	s shown on n lamestown	<i>gistration</i> Beach Ln	certificate)	
2. (Owner								City	Sea	uim		State WA	
		<u> </u>								9838	32	Coun	utry USA	
	-					3	3. Fo	r FAA Use	Only					
The tecnnical data identified herein has been found to comply with applicable airworthiness requirements and is hereby approved for use only on the above decribed aircraft, subject to conformity inspection by a person in FAR 43.7 22 A 49 2007 DATE FAA Inspector, NM-FSDO-01														
	4. Ty	pe				5	5. Un	it Identific	ation					
F	Repair	Alteration	Unit		Ma	ake	е		,		Model		Serial No.	
		V	AIRFRAME			_		(As described in Item 1 a		above)				
			POWERPLAN	Г										
			PROPELLER	Time										
			APPLIANCE	Type Manufacturer		_		-						
					6	. C	Confe	ormity Sta	tement		· ·		<u> </u>	
A. A Name		ame and Ac				В		d of Agend						
Addre	ss 464 D	orothy Hur				1			ated Mechanic Manufacturer ificated Mechanic C. Certificate No.					
City	Sequir			State WA	_		_	Certificated Repair Station						
Zip	98382		ntry <u>USA</u>						Maintenance			IA53978		
	fumishe	d herein is ti	rue and correct	to the best of my	knov	vle	edge.	of the U.S	m 5 above . Federal A	e and	described on Regulation	on the revens and that	erse or attachments hereto t the information	
	nded rang 14 CFR Pa B		I .	ature/Date of Au D. Rollston	itnoriz	zea	a indi	ividual						
-									to Service					
Ad		TOT THE TEU	CIAI AVIALIUII AU	ons specified b ministration and	elow, is	ti	the. u	ınit identifi	ed in item Approve	1 5 v d	was inspect	ed in the	manner prescribed by the	
3Y		A Flt. Standa pector	ards Mar	ufacturer		٧	Maint	enance Or	ganization		Person Depar	ns Approved tment of Tra	l by Canadian Insport	
		A Designee		air Station	×	!		ction Autho	orization		Other (Spe	cify)		
esig	icate or Ination No 19782858			ature/Date of Aut D. Rollston	thoriz	ed	d Indi	videal	1.	<u> </u>	recito	24	8/22/08	
FA	A Form 3	37 (10-06)				_	-/-	oh !	<u> </u>) 4	- CONTO	'	0/22/08	

٨	10	١T	14	_	c

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.

N6572E 08-22-2008

8. Description of Work Accomplished

- Nationality and Registration Mark
- Date
- 1) This STC SA5862NM was approved for Cessna 175 equipped with engine model GO-300. This aircraft was modified with a Franklin 6A350C-2 per STC SA436EA.
- 2) Replaced original mechanical tachometer with a Horizons Instrument, Inc. Digital Tachometer STC SA5826NM installation instructions and drawings.
- 3) Neglegable change to weight and balance. Operational check normal.
- 4) Work was accomplished in accordance with Horizon Instruments, Inc. model P-1000 installation instructions and AC43-13-1B, CHG.1.
- 5) Revised aircraft flight manual with Horizon Instruments, Inc. model P-1000 supplement.
- 6) Instructions for continued airworthiness per 8300.10 checklist are attached with this document.

----- END -----

. `

A/C Mak	e: Cessna	Model: <u>175</u>	S/N: 56072	Reg. #: <u>N6572E</u>		
Revisions	: N/A	Date: 8/22/08				
SYSTEM	Electronic	Digital Engine Tachomete	r			
TTEM		CHECKI	EISTEINFORMATIO	N.		
1.	engine &	tion: Cessna 175 with STC McCauley Model 2A31C2 nstruments, Inc. Digital Tac	lE propeller) was not p	reviously approved for		
2.	Description	on: Replacement of origina	d mechanical driven ta	chometer.		
3.	Control, o	operation information: Option ts airplane flight manual su	perational information upplement for Cessna 1	located in Horizon 75.		
4.	Servicing	information: Per manufac	cturers recommendation	ns and AC43.13 1B.		
5.	Maintenance instructions: Inspect in accordance with Horizon Instruments, Inc. Installation Instructions and FAR Part 43, Appendix D.					
6.	Trouble shooting information: Located in Horizon Instruments, Inc. Installation Instructions, AFM supplement and STC #SA5826NM.					
7.	Removal and replacement information: Removal & replacement information is located in Horizon Instruments, Inc. Installation Instructions and AC 43-13-1B CHG.1.					
8.	Diagrams 175 service	: Instrument mounted on le e manual and AC43-13-1B	of hand side of instrum CHG.1 for inspection	ent panel. See Cessna practices.		
9.	Special in	spection requirements: N	o special inspection red	quirements.		
10.	Application	on of protective treatment	s: None necessary.			
11.	Data: Insta Instruction	allation requirements per H s and AC43-13-1B CHG.1	orizon Instruments, Inc.	c. Installation		
12.	List of spe	cial tools: None required.				

13. For commuter category aircraft: Electrical load requirement. Input signal voltage: 100 to 1,000 volts AC, power requirements 7.5-31 volts, DC, 200 ma. Max.

.

A/C Mak	e: Cessna	Model: <u>175</u>	S/N: 56072	Reg. #: N6572E
Revisions	N/A Da	te: <u>8/22/08</u>		
SYSTEM:	Electronic Digit	al Engine Tachomete	er	
TITEME		<u>CHECKI</u>	EISTEINEORMATION	
14.	Recommended condition.	overhaul periods: I	Per manufacturers recom	nmendations, on
15.	Airworthiness	limitation section: N	No airworthiness limitati	ons per this installation.
16.	block 3 and incl Instructions for been accepted, a	and revised ICA. The uding the following s Continued Airworthi	to the local FSDO with FAA inspector accepts statement: "The attached ness (date)." Centry will be made, iden	the change by signing I revised/new Once the revision has
	N/A No revision	ns.		

•

Model P-1000 Electronic Digital Engine Tachometer

Airplane Flight Manual Supplement for a

Cessna 175

This document, by no means, gives the authority to amend or add to any existing Pilot Owners Handbook. This document serves as an example of a Model P-1000 Electronic Digital Engine Tachometer Flight Manual Supplement, which must be approved by the FAA.

This document must be carried in the airplane at all times. It describes the operating procedures for the Horizon Model P-1000 Electronic Digital Engine Tachometer, PART NUMBER P100-052-680-00, SERIAL NUMBER(S) 0736403 when it has been installed in accordance with Horizon Instruments, Inc. P/N P103050/D Horizon Instruments, Inc. Model P-1000 Installation & Instruction Manual and FAA Form 337.

Date: 22 Aug 2008

Approved

Aviation Safety Inspector

NMOI SEA FSDO

Patrick m. Paden

,

Model P-1000 Electronic Digital Engine Tachometer

LOG OF REVISED PAGES					
Revision Pages Number Attached		Description	FAA Approved	Date	
	1-7	Original Issue			

Cooling I	TABLE OF CONTENTS	
Section I.	General	Page 3
Section II.	Limitations	
Section III.		Page 3
	Emergency Procedures	Page 3
Section IV.	Normal Procedures	Page 3
Section V.	Performance	
Section VI.		Page 6
	Weight & Balance and Equipment List	Page 6
Section VII.	System Description	Page 6
Section VIII,	Additional Information	
	Andrew In The International In	Page 7

Section I. General: No Change

Section II. Limitations:

22 Aug 2008

Approved

Pratie on Prade NMOI 52A FSDO Page 2 of 7

Model P-1000 Electronic Digital Engine Tachometer

This table lists each engines operating range by the lowest RPM within the operating range. Ranges are listed in order from the highest (engine Redline) on the left side of the table to the lowest on the right side. Note that an RPM range with no colored marking is denoted as a black, or "BLK", range.

TACHOMETER PART NUMBER P100-101-371-00										
TOP ARC		ARC 2						ST ADC	_	
COLOR	RPM	COLOR	RPM	COLOR	RPM	COLOR	RPM	COLOR	CY	
RED	900	GRN	704			_			6	
	COLOR	ARC AF	ARC ARC 2 COLOR RPM COLOR	ARC ARC 2 AF COLOR RPM COLOR RPM	ARC ARC 2 ARC 3 COLOR RPM COLOR RPM COLOR	RPM ARC PLACARDING ARC ARC 2 ARC 3 AR COLOR RPM COLOR RPM COLOR RPM	ARC ARC 2 ARC 3 ARC 4 COLOR RPM COLOR RPM COLOR RPM COLOR	ARC ARC 2 ARC 3 ARC 4 LOWE COLOR RPM COLOR RPM COLOR RPM	RPM ARC PLACARDING ARC 2 ARC 3 ARC 4 LOWEST ARC COLOR RPM COLOR RPM COLOR RPM COLOR	

The face of the P-1000 tachometer is placarded with the Engine RPM Operating Range information that normally appears on the face of the mechanical tachometer. This includes the RED (restricted), YELLOW (cautionary or transient) and GREEN (normal) operation RPM ranges.

A placard is provided to label the newly installed circuit breaker for operation with the P-1000 tachometer. This placard is placed on the circuit breaker panel. Refer to Figure 1.

Tachometer

Figure 1, Circuit Breaker Placard

Section III. Emergency Procedures: No Change

Section IV. Normal Procedures:

The operation of the P-1000 Electronic Digital Engine Tachometer is straightforward. After power is supplied to the Tachometer, the engine is started, and the self-tests are performed, the default display of engine RPM appears on the display. The default display is insured via the use of internal timers that will restore the display to the current RPM even in the event that one of the panel buttons becomes stuck or defective.

Internally, (2) independent tachometers watch the pulses received from each magneto. Each tachometer is accurate to less than 1 RPM and can be individually enabled/disabled via buttons on the face of the Tachometer, refer to items K and I on page 5 of 7.

Engine operating ranges are indicated on the large green, yellow, and red LED's (Light Emitting Diode). See page 7, items D, E, and F. Three small LED magneto system *alert* indicator lights are located within the "Status"

Page 3 of 7

22 Aug 2008 Approved Protect on Prode Nomo: SEA PS DO

Model P-1000 Electronic Digital Engine Tachometer

area on the upper left corner of the Tachometer face, see items A, B, and C on page 7, figure 2. The left and right red LED alert indicator lights, when illuminated, indicate, because of a loss of the ignition signal to the Tachometer, a possible malfunction of the respective left or right magneto ignition system.

While performing a magneto check during engine run-up, the red *alert* indicator lights will illuminate, thus identifying the grounding of the respective right or left magneto systems.

IGNITION SWITCH POSITION	TACHOMETER MAGNETO ALERT INDICATOR LIGHTS		
	LEET STATUS LED	RIGHT STATUS LED	
OFF	ON	ON	
RIGHT	ON	OFF	
LEFT	OFF	ON	
вотн	OFF	OFF	

Between the left and right red magneto ignition system *alert* indicators is a yellow "RPM Synchronization" indicator. This small yellow indicator is illuminated when there is a difference of more than 80 RPM between the right and left tachometers. This indicator also may flicker during extreme RPM excursions of the engine.

There are three panel buttons, see items J, K, and I on page 7, figure 2. Each button has two modes of operation:

- Press-and-hold,
- Press-and-release.

Press-and-hold button operations instruct the Tachometer to perform a <u>specific operation</u> when a button is pressed and held for more than 2/3 of a second. Press-and-hold button operations are placarded on the face of the Tachometer above each button.

Similarly, press-and-release button operation instructs the Tachometer to perform a specific operation when a button is pressed and released in less than 2/3 of a second. Press-and-release button operations are placarded on the face of the Tachometer below each button.

PRESS AND HOLD OPERATIONS

The left button, K, upon depression, will cause the Tachometer to display the non-fractional portion (0000.) of the current accumulated engine hours. When the button is released, the fractional part of the engine hours (.00) is displayed for a short period of time. The clock is started whenever the engine RPM exceeds 800 RPM and is recorded in real hours.

PARUY 2008 PAPPROVED NOTES TO FEDO

Page 4 of 7

Model P-1000 Electronic Digital Engine Tachometer

The right button, I, upon depression, will cause the Tachometer to display the current contents of the **RPM trap**. This trap records the highest engine RPM achieved before the button was pressed. The middle button, J, upon depression, clears the RPM trap. During depression of the switch, the RPM trap is zeroed. When the button is released, the trap will record the current engine RPM.

PRESS AND RELEASE OPERATIONS

During normal operation, the Tachometer presents the average of the left and right internal tachometers on the display. However, a mechanism exists to **mask** either tachometer from the display, leaving the remaining tachometer to display its RPM.

The regular flashing of the right or left signal loss status indicator LEDs indicates a masked tachometer. This feature is handy when attempting to determine magneto/ignition problems.

Quickly pressing and releasing the left button, K, causes the Tachometer to mask or un-mask the left internal tachometer.

Quickly pressing and releasing the right button, I, causes the Tachometer to mask or un-mask the right internal tachometer.

An internal interlock prevents masking both internal tachometers at the same time, therefore preventing total loss of RPM indication.

If the tachometer is masked, pressing the button will un-mask it and allow its RPM to show on the display, and conversely, if the tachometer is unmasked, pressing the button will mask it from the display.

Quickly pressing and releasing the center button, J, causes the Tachometer to alternately dim or brighten the LED indicators.

The LED indicators, see items A thru F, are bright enough to overcome daylight washout conditions. However, during night operations the large green, yellow, and small red and yellow LEDS are **dim-able**. The large red LED still operates at full intensity to maximize the possibility of gaining pilot attention during excursion into restricted rpm ranges.

Section V. Performance: No Change

Section VI. Weight & Balance and Equipment List: Negligible Change

Section VII. System Description

22 Aug 2008 Approved Product on Production NMOI SEA FSBO

Page 5 of 7

The Horizon Instruments' Model P-1000 Electronic Digital Engine Tachometer is an electronic replacement for the existing mechanical cable-driven tachometer.

The Tachometer differs from the existing mechanical tachometer in the following areas:

The Tachometer is fully electronic and uses timing information from the primary leads ("P-Leads") of both the left-hand and right-hand magneto ignition systems, operating the P-1000's internal left and right tachometers, to determine engine rpm instead of a rotating cable driving a magnetic slip-clutch analog type display.

The Tachometer uses super bright LED indicators to indicate normal range engine operation (Green LED), cautionary range operation (Yellow LED), and do-not-exceed or restricted range RPM (Red LED) as substitutes for the ranges normally painted on the tachometer dial.

The primary display consists of four 1/2" high characters on a backlit Liquid Crystal Display (LCD), easily and clearly visible in daylight and night flying.

Diagnostic features available include: *alert* indication of loss of magneto signal, indication that both magnetos are reporting different rpm, and the ability to mask RPM from either magneto.

Magneto test, via the ignition switch, is indicated by the Illumination of the grounded magneto system's *alert* light and the display of the amount of RPM that the engine has slowed. This is indicated as a negative number on the display (number is preceded by a leading hyphen or minus sign).

LED indicators are dim-able (except the restricted or red-light indicator) to reduce pilot annoyance during night flying.

A specific engine hour is preset at the factory to accommodate Tachometer changes on non-zero-time engines. Only Horizon Instruments, Inc may change engine time.

22 Aug 2008 Approved Protus m Prod NMO1 SEA FSDO in the second of the second of

and the second of the second o

gan Kanamatang ang kapada Panggalan Banamatan Banamatan Banamatan Banamatan Banamatan Banamatan Banamatan Bana Banamatan Banamatan

n de la prima de la compansión de la compa La compansión de la compa

A supplier of the supplier

Symmetric and the configuration of the action of the configuration of the config

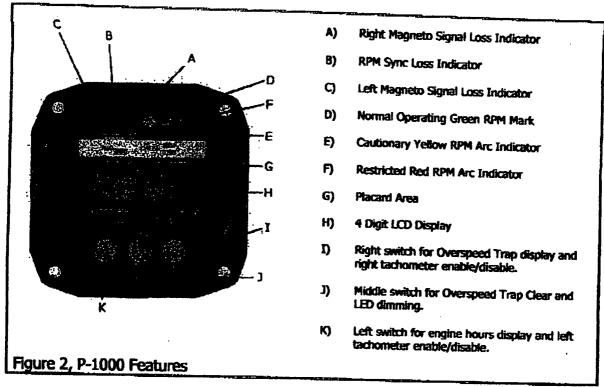
The state of the control of the cont

and stages in the last of the least of the l

(iii) the modern consistency with a statement of the constraint of the constraint

টি ইংসাক্রের ১০ জ্ঞান ক্রিল করেন সুন্ধরের বিশ্ব বাব জনি । তার স্ক্রেন্সভূতি আনুবারস্থান । ১০ জালের কের জন্ম করে বিজ্ঞানিক । কুম্ব জীনুনার

Model P-1000 Electronic Digital Engine Tachometer



Section VIII. Additional Information

For additional information about the operation and installation, refer to Horizon Instruments, Inc. Document Number P103050 Horizon Instruments, Inc. Model P-1000 Installation & Instruction Manual.

The exterior of the P-1000 is nameplated with all pertinent operational and configuration information referred to in Figure 3.

Horizon Instruments, Inc 600 S. Jefferson St., Unit C Placentia, CA 92870, USA Model P-1000 Digital Tachometer H/W P/N: P100-100-106-00 Serial Number: 0342401 Red Arc: 2700 - UP Green Arc: 2699 - 1800 06 Cylinder Patent Number: 4,811,255

Figure 3, Example of Product Identification Nameplate

Approved Potul on load Notes SEA FSDO

US.Department

- 1 × - 1

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

pme

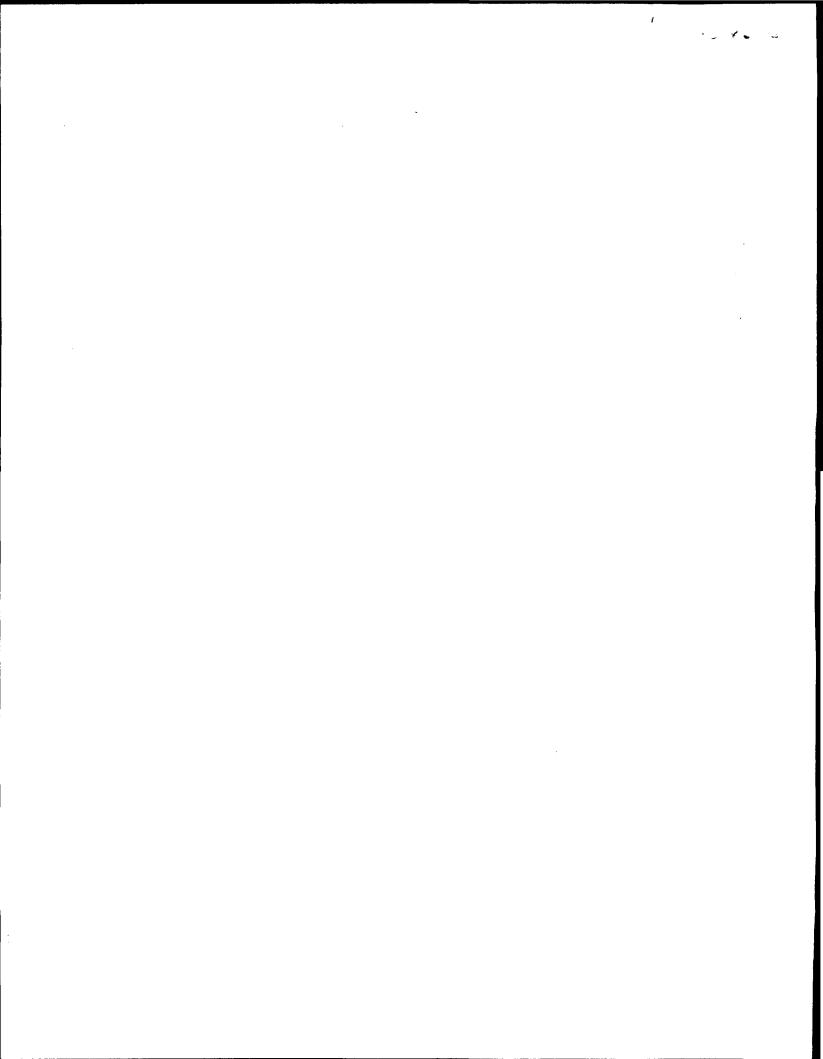
NMOI SEA FSDO

and disposi for each suc	ion of this form. Thi th violation (Section	e report is required	by law (49 H S C 1421) F:	ailure to ren	-1 (or subsequent r ort can result in a c	ivil nenal	ty not to exce	structions eed \$1,000
1/2 J	Make	ESSNA		wam bed U	Model	175	57 J. 1		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
1. Aircraft	Serial No.	072				y and Registration		N6572E	ರಾಧಿಕಾಣ
	Name (As shown	on registration cer	tificate)		Address (As shown on regis	tration ce	ertificate)	
2. Owner	Mark J. Ha	ys				mestown Beac m, WA 98382-		e	
				3. For FAA Use O	nly				
				applicable only on th by a pers	airworthiness	S Vadimb	eby approvenion on one on the control of the contro	ed for use spection	٠.
				4. Unit Identificat		FAA Inspector, I	VM-F6DO- 6	5. Type	
Unit	Ma	ke		Model		Serial No.		Repair	Alteration
AIRFRAME	*****	(/	As desci	ibed in Item 1 abo	ve)	······			Х
POWERPLANT							<i></i>		·
PROPELLER								्रीक	
	Туре								
APPLIANCE	Manufacturer						·		
			6	. Conformity State	ement				
A. Agency's	Name and Address			B. Kind of Agend					
Donald	C. Pridham			X U.S. Certificated Mechanic			1332747		
	shine Ave.			Foreign Certificated Mechanic Certificated Repair Station					:
	WA 98382			Manufacturer	opun GialiUII				
have be	that the repair and/o en made in accorda ed herein is true and	ince with the requi	rements	of Part 43 of the U	em 4 above J.S. Federal	and described on the Aviation Regulation	ne reverse ons and t	e or attachme hat the infor	ents hereto mation
Date Se	otember 16, 2	2005		Signature of Aut	horized Indi	ividual Mallan	~		•
			7. Ap	proval for Return	To Service				
Pursuant t Administra	o the authority give tor of the Federal A	en persons specific viation Administra	ed belov	w, the unit identifi is X APPROV	ied in item 'ED 🗆 F	REJECTED		nner prescri	bed by the
	AA FIt. Standards spector	Manufacturer	Х	Inspection Author	ization	Other (Specify)			
F	AA Designee	Repair Station		Person Approved Canada Airworthi	ness Group				
	oval or Rejection ber 16, 2005	Certificate or Designation No. IA 1332747		Signature of Aut	horized Ind	(/) ; h	\sim	

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.

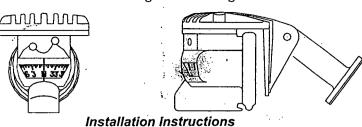
is a TSO. No weight/balance	e change. Com en		d installation is ai		
		· :			
	· .	:			
			·		
		es de			
				,	
	ì				••
		-			
	,				
				<u>:</u>	•

A member of the JAA	JAA FORM ONE	AUTHORISED REL	RELEASE CERTIFICATE		3. CERTIFICATE REF. NO. SIRS/71877/08
ATION S.I.R.S. Navigation	S.I.R.S. Navigation Ltd., Compass House, Bowes Estate, Wrotham Road, Meopham, DA13 0QB,England	ate, Wrotham Road, Meopham, C)A13 0QB,England	5. WORK (5. WOR K ORD ER/CONTRACT 200309111
7. DESCRIPTION	8. PART No	9. ELIGIBILITY* 10	10. CTY. 11. SERIAL	11. SERIAL/BATCH.No.	12 STATUS/WORK
Navigator Compass (12V BLUE (LLUMINATION)	NV2C – 12V	Various	B/N	Ser: 617759-08 B/No. 617759	Manufactured
Approved to TSO C7d Ref:GE/vk/11/18/98/C7d And CAA Approval E15753				· Service Serv	
.s M	Manufactured in accordance with specification NV This Certificate has been issued under National Ru	h specification NV5125 under National Rule Pro	5125 Issue 2 le Provisions		
worthiness Conformity only the part(s) identified above except as otherwise specified in block 13 was (were) Inspected in accordance with the applicable design data and with the Airworthiness regulations of untry (See below)	sed secified in block 13 was (were) an data and with the Airworthiness regulations of	19. JAR-145.50 Release to service Certifies that the work specified above except as otherwise specified in block 13 was carried out in accordance with JAR-145 and in respect to that work, the part(s) is (are) considered ready for release to service (see below)	service sexcept as otherwise spect to that work, the part	ecified in block 13 was c (s) is (are) considered re	arried out in ady for release to service
J. C.	16. Approval Reference Number: DA1/8992/85 18. Date (d/m/y): 15 December 2003	20. Signature	21.	21. Approval Reference Number: CAA00413 23. Date (d/m/y)	umber: 0413
	USER/INSTALLER	USER/INSTALLER RESPONSIBILITIES			
tant to understand that the existence of the document alone does not automatically constitute authority to install the part/component/assembly	document alone does not automatically const	itute authority to install the part/com	າponent/assembly		
user/installer works in accordance with the national regulations of an Airworthiness Authority different from the Airworthiness worthiness Authority accepts parts/components/assemblies from the Airworthiness Authority specified in block 2.	ional regulations of an Airworthiness Authority o	Virworthiness	ity specified in block 2 i	It is essential that the u	Authority specified in block 2 it is essential that the user/installer ensures tha
s 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation	cation. In all cases the aircraft maintenance reco		certification issued in accordance with the national regulations by the	nce with the national re	egulations by the



THE 'NAVIGATOR' AIRCRAFT COMPASS

From SIRS Navigation Ltd - England.



The NAVIGATOR is a precision compass suitable for Installation into Light Aircraft. To obtain the optimum performance you should ensure that you carry out the following instructions carefully. We advise you to read through these instructions and notes before attempting to mount the unit in your aircraft.

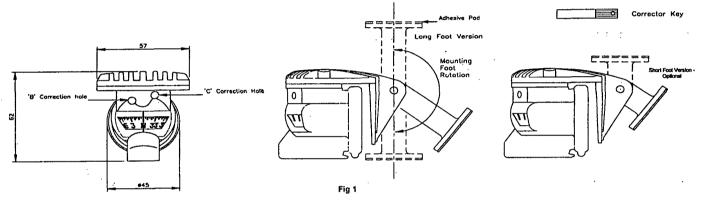
THE COMPASS

The NAVIGATOR is provided with a compensating system, which will enable you to minimise the magnetic disturbances created by the mechanical and electrical characteristics of your aircraft

The Compass Card is graduated in 5-degree increments with cardinal points at N, S, E & W. Because of the limited space available, the markings between the cardinal points should be multiplied by a factor of 10. i.e. 3 = 30 degrees, 24 = 240 degrees etc.

POSITION

The optimum mounting positions for the NAVIGATOR is to secure it to the inside of the canopy, on top of the coaming or slung beneath the roof panelling or a spar. (Fig.1).



Before finalising the mounting point, it is a good idea to temporarily mount the companies in its intended position and "Swing" the aircraft to see if the initial deviations are less than 30 degrees. If the deviation for each cardinal point is less than 30 degrees then proceed with the mounting procedure described below. If the errors are greater than 30 degrees, then try mounting the compass in a more suitable position. If this does not resolve the problem, local de-gaussing may be required to reduce the disturbing magnetic influence.

MOUNTING

- 1) To mount the unit follow steps 2 to 9
- 2) Ensure that the mounting surface temperature is not less than 10 degrees C. Ensure that the mounting area you have chosen is clean. (Do not use the sachet provided, this will be required later)
- Close doors, windows, switch on the engine and accessories which are commonly used such as radio, heater fan etc.
- Offer the unit up to the position chosen and note the reading, adjust the position of the unit so that the error shown is at a minimum, (this error must not exceed 30 degrees), note this position.
- Using the cleaning cloth, contained in the sachet provided, clean the area of the aircraft you have selected to mount the compass. (DO NOT TOUCH THIS AREA AFTER CLEANING.)
- 6) Carefully remove the plastic film from the base of the mounting bracket; (DO NOT TOUCH THE ADHESIVE PAD). Position the compass and bracket on to the mounting surface, making sure that it is square and true to the aircraft. Press very lightly to the mounting surface and check that the location is satisfactory, when you are sure that the location is correct press hard and maintain this pressure for approximately 30 seconds.
- 7) Screw Holes are provided Ø 3.1mm for additional securing if required.
- 8) It is advisable not to stress the mounting for 24 hours. This will allow the adhesive bond to fully cure.

ADJUSTING YOUR COMPASS

Before your compass can be adjusted the aircraft must be capable of being aligned to both the East West axis and North/South axis. The use an another compass outside the aircraft, to determine the cardinal points is advised.

These following notes should be used for initial installation guidance only, the corrections should be checked by a qualified Compass Adjuster before flying.

CORRECTION EAST/WEST ('B' Coefficient)

- 1) Align your aircraft facing East, insert the Corrector Key provided, into the Left hand hole at the front of the compass, rotate the key in either direction so that the East point is directly under the Index line.
- 2) Align your vehicle/aircraft facing west and check that the West Point is under the Index line, Any error may be corrected by readjusting to remove HALF the error shown.

CORRECTION NORTH/SOUTH ('C' Coefficient)

- 1) Align your vehicle/aircraft facing North, insert the Corrector Key into the Right hand hole at the front of the compass, rotate the key in either direction so that the North point is directly under the Index line.
- 2) Align your vehicle/aircraft facing South and check that the South point is under the Index Line. Any error may be corrected by readjusting to remove HALF the error shown

The above procedures can be repeated until the errors are minimised.





Fig 2

Fig 3

CORRECTION FOR MIS-ALIGNMENT ('a' Coefficient)

Only follow this procedure if the results obtained so far do not reach or requirements.

- Align the aircraft facing North; record the compass error in Box A.
- Align the aircraft facing South; record the compass error in Box B. Align the aircraft facing East, record the compass error in Box C.
- 3) 41 Align the aircraft facing West; record the compass error in Box D.

Note:

Errors to the Left of the true heading should be prefixed with a plus sign (+). [Fig 2] Errors to the right of the true reading should be prefixed with a minus sign (-). [Fig 3]

Add the readings in Boxes A to D, enter the result in Box E. Divide the figure in Box E by 4, record the result in Box F, this figure is the error due to mis-alignment and may be corrected as

Note the current magnetic heading, carefully loosen the two cross headed screws which secure the compass to the bracket, rotate the compass body in the opposite direction to the error shown in Box F.
i.e. If the error in Box F is +5 degrees, rotate the compass body by -5 degrees and vice versa. Carefully tighten the two cross-headed screws without moving the compass body

CORRECTION TABLE

In this example the compass body would need to be rotated by +5 degree

If having carried out these procedures the results are not satisfactory a new location must be found before this can be done the NAVIGATOR must be returned to it's ZERO status by carrying out the following procedure.

вох	Sample Error	вох	ACTUAL ERROR
A (NORTH)	+15	A	
B (SOUTH)	+5	В	
C (EAST)	-10	С	
D (WEST)	+10	D	
E (TOTAL)	+20	E .	
F ("E" / 4)	+5	F	

- Remove the NAVIGATOR from the bracket by removing the two cross-headed screws, this will reveal the top plate with its four spindles with white lines across. Using the key provided rotate the spindles until all the white lines are parallel across the top plate, this is the ZERO CORRECTION status
- Choose another location for the NAVIGATOR and repeat the installation procedure.

Correction Card Fitting

The correction card, supplied with the compass is designed to be either:

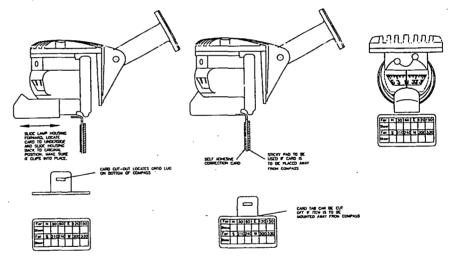
fitted to the underside of the compass

stuck to the Aircraft panel local to the unit.

Depending upon the fitting location, either withdraw the lower housing as shown and clip the card into place.

Cut off the tab and stick the card to a convenient panel, local to the compass.

Spare Compass cards are available as a spare item.



Technical Help can be provided by SIRS Navigation Ltd.

Tel: +44 (0) 1474-816320 Fax: +44 (0) 1474-816321 or email: sales@sirs.co.uk

Sales in the USA are handled by SIRS Product Services. Tel: 310-325-3422 Fax: 949-951-0778 email: sirs@primenet.com

SIRS Navigation Ltd

Compass House, Bowes Estate,

Wrotham Road, Meopham,

Kent DA13 OQB

England

Spares:

To convert the compass to the short foot version please order part: NV2-SF1 Price: £5.00 or US\$9.00 + p&p

The compass units can be illuminated with 6, 12, or 28V DC supply. A full range of spares and technical assistance is available upon request.

Please contact us for an up to date leaflet.

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 PMP

Mmo (SEA FS Podix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

ando	dispositi	on of this form.	. This	report is required b 901 Federal Aviatio	v law	(49 U.S.C. 1421) F	ailure to rec	ort can result in a	civil nena	Ity not to exc	ced \$1 000
t _i .	46	Make CE	ESSN	901 Federal Aviation	- 	- AMERICANI MILAHAMAR	Model	নিত্র ১ প্রত্যুক্ত ১ 175 ০৮ সংক্র	o de la Litetani	<u>atau.</u> Chence	<u>- Rosiaoy</u> - Nigerija
1. Airc	raft _{non}	Serial No.		072	100	14 1 14 14 14 14 14 14 14 14 14 14 14 14	Nationalit	ty and Registration	Mark	144 had to	1111
		Name (As sho		n registration certi							
2. Own	ner	Hays, Ma			·		72 Ja	mestown Bea m, WA 98382	ch Lan		÷
						3. For FAA Use O	nly				
						applic only o by a p	able airworthin		hereby app to conformit	proved for use y inspection	·.
						4. Unit Identificat				5. Type	
Ur	nit		Mak	e		Model		Serial No.		Repair	Alteration
AIRFRA	ME	~~	••••	(As	desc	ribed in Item 1 abo	ve)	••••••			Х
POWER	PLANT										
PROPEL	LLER		٠								
APPLIA	NCE	Type Manufacturer	•								
						. Conformity State	ment			<u> </u>	
A. Age	ency's N	ame and Addre	ess			B. Kind of Agend			C. Cert	ificate No.	
A. Agency's Name and Address Donald C. Pridham 411 Sunshine Ave. Sequim, WA 98382					X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer			332747			
h	ave bee	n made in acco	ordan	alteration made to ce with the require correct to the best of	ments	of Part 43 of the U					
Date	Septe	mber 16,	200	5		Signature of Auth	orized Indi	vidual	am	· .	
					7. Ap	proval for Return 1	o Service				
Purs Adm	uant to Injetrate	the authority or of the Federa	given al Avi	persons specified ation Administratio	belov n and	w, the unit identificial MAPPROV		EJECTED	the mai	nner prescri	bed by the
ву		Fit. Standards pector		Manufacturer	X	Inspection Authori		Other (Specify)			
		Designee		Repair Station		Person Approved t	ess Group				
		val or Rejection er 16, 20		Certificate or Designation No. IA 1332747		Signature of Auth	orized Indi	vidual	21 .		

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.

B. Description (If more spa	of Work Acc	omplished` d, attach additio	nal sheets. Ident	`ify with ai	rcraft natio	nality and regis	stration mar	k and date work com	pleted.)
Manufact Continuin	urer's Ins g Airworth or <i>Cessna</i>	stallation a hiness and a 172, and a	nd Mainten	nance l ce data nklin En	Instruction Instru	ons 0402, to aircraft	Rev. Frecords. Iles.	This installation	proved
				GIIU					
		÷						•	
			ı						
i I				ſ		·	., ≈ .t		
:			₩ Ac	// Iditional S	Sheets Are A	ittached	:		

U.S. Department of Transportation

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

Form /	Appr	ove	d
OMB	No.	212	0-0020

For FAA Use Only

Office Identification

Federal Aviation

Administration					Luc	1162	51	12	SGA 69	SEP SEP	2 / 2005
and dienociti	on of this form. Ti	e all entries. See FAF his report is required on 901 Federal Avia	thulawa	140 LL C C	endix B, ai	nd AC 43.	.9-1 (o		ent revision (thereof) for in	structions
ər s , Inc.	SES Fabricas	ion D, and Anž	sive	366 t	08 da	15/VI ()	3)8¶	75 ⁵⁰⁻³⁷	- anoitor.	tion Instru	Installal
1. Aircraft	Serial No.5 5	18 . 1600moc 66072	Language .	. N. 175	10 UN	National	lity an	d Registra	tion Mark	166776	S UTS records
2. Owner	Name (As show Hays, Mar	n on registration cel	tificate)		- end	72 J	ames	town Be	egistration c each Lar 82-8565	=	
				3. For FA	A Use On	ly					
	·		~~-			~					
· ·				4. Unit lo	lentification	n				5. Type	· · · · · · · ·
Unit	M	Make		Mc	odel			Serial I	No.	Repair	Alteration
AIRFRAME	••••	(/	As desci	ribed in Ite	em 1 abov	e) •••••	•••••	••••••	·•		Х
POWERPLANT											
PROPELLER					RE	CEIV	ED)			
APPLIANCE	Туре				SEF	16	2005				
	Manufacturer				SEATTL	E FSI	0	•			
	<u> </u>		6.		nity Staten	<u> </u>				1	<u></u>
A. Agency's N	ame and Address	3			of Agency				C. Cert	ificate No.	
Donald	C. Pridham		ŀ		Certificated				IA 13	332747	1
411 Sun	shine Ave.	<u>.</u>			ign Certificated Rep						
Sequim,	WA 98382				ufacturer	dii Otalioi	•		7		
have beer	n made in accord	/or alteration made t lance with the requir d correct to the bes	ements	of Part 43	of the U.S	14 above 5. Federa	and d	lescribed o tion Regul	n the revers ations and t	e or attachme hat the inforr	ents hereto nation
Date Se	ptember 13,	, 2005		Signator	e of Autho	rized Ind	dividua 7	nal	(m	· ·	
			7. Ap	proval for	Return To	Service		a see of the			
		ven persons specific Aviation Administrat			t identified APPROVE		REJEC	CTED	4 N.	nner prescrit	ped by the
	Fit. Standards ector	Manufacturer,	Х	Inspectio	n Authoriz	ation		ther (Speci	ту)		9 (1) (\$\$) (1) (\$)
fAA	Designee	Repair Station		Canada A	pproved by irworthine	ss Group				· ·	
Date of Approv	al or Rejection	Certificate or Designation No.		Signatur	of Autho	rized Ind	lividua			•	
Sentemb	er 13, 2005			1	min	1 [/	The same	11.	1>	1

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 Acco	d, attach additional sheets. Ider	ntify with aircraft natio	onality and registration m	ark and date work completed.)
Install <i>Aero Fabri</i> Installation Instruct	tions AF-28, dated M	ness and seat arch 30, 1998,	Revision D, and	per Aero Fabricators Aero Fabricators, Inc. and added to aircraft
		end		
				and marked to the second of th
			÷	
·				
				· :
			·• · · · · · · · · · · · · · · · · · ·	·
	i.			
·				
				•
		Additional Sheets Are	Attached	



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

Form Approves 3	- SEVIIT
OMB No. 2120-0020	MAR
FARTA	NAC

Office Identification

	36			32	2	
eque	nt revisio	on ther	eof) fo	r instruc	ctions	

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).

	44. A 4.	1 4 1-					22. 123.	s 2yr a weat	1 .m. 8 .m. 1
0.4628E.	Make CESSNA	** 10i-	· ·		Model	1/5		ខ ១៧ ^{៤ ១} ០	
1. Aircraft	Serial No.				Nationality	y and Registration	Mark	v″ -⊒lest:	
	56072			- :				N6572E	41 + 21 to 1/4
. 2	Name (As shown on registration ce	rtificate)			Address (As shown on regi	stration c	ertificate)	
2. Owner	Hays, Mark J.					nestown Bead n, WA 98382		e	:
_	<u> </u>		3. F	or FAA Use Oi	ıly		Stan, etc.		
							JUN	CEIVE I 0 4 200 E FSDO	• •
· ·		_	4. U	Init Identificati	on		DEAL II	- E FOUU 5. Type	;
Unit	Make			Model		Serial No		Repair	Alteration
AIRFRAME		As desc	ribed	in Item 1 abov	(e)				X
	r of the Erdeup Arie in the state of the Strations in the state of the	50 500 6 5			7)	4 (2004) A	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
PROPELLER			1437 -				. 		
APPLIANCE	Type Manufacturer								
	1	6	. Co	nformity State	ment				
A. Agency's N	lame and Address		В. 1	Kind of Agenc	/		C. Cert	ificate No.	
411 Sun	C. Pridham shine Ave. WA 98382		X	U.S. Certificate Föreign Certific Certificated Re Manufacturer	ated Mechai	nic -	IA 1	332747	
D. I certify the	that the repair and/or alteration made en made in accordance with the requi d herein is true and correct to the bes	rements	of P	identified in ite art 43 of the U	m 4 above a S. Federal	and described on t Aviation Regulati	he reverse ons and t	e or attachme hat the infor	ents hereto mation
Date Jun	e 1, 2003		Sig	nature of Auth	orized Indiv	vidual .	m	<i></i>	
- H21.		7. Ap	prov	al for Return T	o Service				
Administrat	the authority given persons specifior of the Federal Aviation Administra			e unit identifie		was inspected in	n the ma	nner prescri	bed by the
C W. 151 FA	A Fit. Standards pector Manufacturer	. X	Insp	pection Authori	ation	Other (Specify)			
7, 5, 4.4 FA	A Designee Repair Station		Can	son Approved b ada Airworthin	ess Group			:	
Date of Appro	val or Rejection Certificate or Designation No IA 133274		Sig	nature of Auth	orized Indiv	vidual			

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.

B. Description of Work Accomplished (If more space is required, attach additional sheets, Identify with aircraft na	tionality and registration mark and date work completed.)
Installation of a remote spin-on oil filter, filter base firewall of the aircraft, in accordance with Aviation De and Installation Instructions issue date January 7, 199	evelopment Corporation STC SA00402SE,
· ·	
	;
and the common to the above the common to th	and disposition of this community war and early a
	tor each puch violation (Grecion sort on a composition Action and Action
☐ Additional Sheets Ar	e Attached

Federal Aviation

Administration

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

Form A	ppn	oved
OMB	No.	2120-0020

For FAA Use Only

Office Identification

PMP NM-01 SEA FSDO

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 civil penalty not to exceed \$1,000

	Make CESSNA				Model 175			•	
. Aircraft	Serial No. 56072			,		y and Registration Mai 16572E	rk	,	
	Name (As shown o	on registration certific	ate)		Address	(As shown on registra	tion certifi	cate)	
. Owner	HAYS, MARK J	•	,		72 J <i>i</i>	AMESTOWN BEACH L M, WA 98382-8565			
				3. For	FAA Use Only				
				*					
			<u></u>	4. Un	it Identification			5. Type	
Unit	N	1ake			Model	Serial No.		Repair	Alteration
AIRFRAME			(As desc	cribed :	in Item 1 above) ———			Х	
POWERPLANT		en e			. Hong	The second second	»		1 10 mm gar gar
PROPELLER	1 1 1 1 m	1. 241	9 to	in the second	and the state of t	MAY 06.22	PR	- 4001 () - 1000	V 10-
	Type: hage page				ment a lug		·	esess Verific	
APPLIANCE	Manufacturer								<u> </u>
			6	. Conf	ormity Statement				
A. Ágency's Na	me and Address			B. Kir	nd of Agency		C. Certifi		
Avian Aero				Х	U.S. Certificated Mechanic	·	AP5377	B2909IA	
David M. P 8850 State					Foreign Certificated Mech	anic			
	ard, WA 98367				Certificated Repair Station				
have bee	n made in accordan	ce with the requireme	ents of Pa	identif	Manufacturer ied in item 4 above and f the U.S. Federal Aviati	d described on the revi on Regulations and that	erse or att	achments her mation	eto
	herein is true and c	correct to the best of	my knowie		ture of Authorized Indiv	internal T	-		
Date 04/30/03				Signa	and the second s	m. Ke			
	SECTION OF SECTION		7. Ap	proval	for Return To Service	•	-		
Pursuant to the Administrator	he authority given pe of the Federal Avial	ersons specified belo tion Administration a	w, the uni	t idenfi	fied in item 4 was inspe	REJECTED		/ the	enne de la
	Fit: Standards	Manufacturer	- X	Inspe	ection Authorization	Other (Specify)	57 97		
FAA	Designee	Repair Station		Cana	on Approved by Transpo da Airworthiness Group	<u> </u>		i turi	· ·
O4/30/03	al or Rejection	Certificate or Designation No. IA537782909		Signa	ature of Authorized Indiv	nauai BA	/	_	

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. De (//	escription of If more sned Repair e location)	of Work in the is required in the is required in the important in the impo	Accomplis ured attach nount frai irs compl	ined ine difficie ime to co leted I/A	l sheets orrect (VW ref	<i>Identify</i> w dented a erence (vith aim area b data A	y weld	ionality a ling 30 I3-1B,	and mais deg. f Chapte	stration m ishmou er 4. se	ark and d th split ction 5,	tate work tube rei paragri	<i>complete</i> nforcm aphs 4-	nd) ents (1 85 and	4-88.	· · · · ·
	to a transitional scale					•	•	· .			· .,		r v	~~			•
		eren v.,	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			<u> </u>			•		* **** * **	··		••	•••••	1
			• .		•		: •								1,4	÷	
								•								•	٠.
		. —	~~~				_										
									~ ~~ ~						 ,		
	· -				•					*							
									•								
			. "														
			;				•	*		•		,					
		•	•								•						
			٠						•								
			·													•	
			1							• •. •		. .					
							. •										
						~ 				·		-,			٠.٠٠ جـــد ٠		
				•						•	•				•		
												,	•	•		• .	
					``												
			•	•							-	. 					
												• .		·			
									. •				٠		•		
								•						4.			•
					•,	٠, ,	1									•	
						,	Addin	ional Sr	neets Are	e Attache	ed						

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 C	nly
Office Identification	
GL09	Britt

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).

		on of this form. I n violation (Sect						ure to rep	ort can result in a	civii penai	ty flot to exce	eu \$ 1,000
,5,		Make			•			Modei			- <u></u>	
	_	Cessna	a				ľ	175	5			
1. Air	craft	Serial No.							ty and Registratio	n Mark		
		56072							572E			
		Name (As show	vn on regi	stration cert	ificate,)			'As shown on regi		ertificate)	
2. Ow		Noble 1	Harol	d E					36 E Clark			
2. UW	niei							Bat	ch, Mi. 48	808		
						3. F	or FAA Use Onl	ly				· · · · · · · · · · · · · · · · · · ·
								<u>, </u>				
											r	
_			<u>_</u>	——————————————————————————————————————		4. U	nit Identificatio	n			5. Type	1
· ·	Jnit		Make				Model		Serial No	•	Repair	Alteration
AIRFR	AME			(A	s desc	ribed	in Item 1 above	e)				х
POWE	RPLANT											
. 0.,									न का	निक	TOTAL	7
					-				375	10000	INE!	
PROP	ELLER								,	JAN 2	1996	
		Туре								AA GRF	ESDO	
APPLI	ANCE								CDANI	RAPID	s, MICHIG	AN
		Manufacturer							GIVA		·	
					6	. Coi	nformity Statem	ent				
A. Ag	ency's N	ame and Addres	ss			В. І	Kind of Agency			C. Certi	ficate No.	
		7 7 5 77				_X_				_		
		old D Ha					Foreign Certifica			A&P3	7932592	21
		0 Osborn		2			Certificated Repa	air Station		1		
						<u> </u>	Manufacturer			<u></u>		
	have beer	nat the repair and n made in accord herein is true a	dance wit	h the require	ments	of Pa	art 43 of the U.S	14 above a 5. Federal	and described on t Aviation Regulati	he reverse ons and th	or attachme at the inform	nts hereto nation
Date						Sign	nature of Autho	rized Indi	vidual			
	Jan	22 1996				_	Han	ll	50	Ham	<i></i>	:
					7. Ap	prova	al for Return To	Service				
		the authority gi					unit identified		4 was inspected i	n the man	ner prescrib	ed by the
		Flt. Standards ector	Manuf	acturer	X	Insp	ection Authoriza	tion	Other (Specify)			
BY	FAA	Designee	Repair	Station			on Approved by ada Airworthines		1			
	of Approv an 22	al or Rejection 1996	Certif Desig	icate or nation No. 325921	IA	Sign	nature of Author		vidual D.Law	je-		

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. D	escription of Work Accomplished I more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)
	Removed Cessna Airfilter P/N C294510-0301, Installed Brackett Air filter BA5110. All work was done in accordance
	with STC No. SA71GL. ************************************
•	
	ंट िंग नेतर क्रम कालामाओं हर के जिल्हा कर
	े ले. में अपेक्ष वर् ष के बिक् _{र के} कर है.
	5
	☐ Additional Sheets Are Attached

						Form Appr	avad	<u>.</u>
			· · · · · ·			, ,	ovea 2120-0020	
US December	MAJOR REPAIR AN						FAA Use C	hiv
् स्त्रीपुणाध्यक्षकात्रा	(Airframe, Powerplant, Pr	ope	ller, or Ap	pilance	e)	Office Iden		
Factores Aviettee Administration	1					GRR	FSDO -	
and dišpositi	DNS: Print or type all entries. See LAR 43.9, F. on of this form, This report is required by law i violation (Section 901 Federal Aviation Act	(491)	18.G. 1421), Fr	ind AC 43 illure to r	3,9-1 (or subsequi eport can result ii	ent revision to a civil pena	hereof) för in Ity not to exc	endituotions egd \$1,000
	Make		•	Model			Ð	
1. Aircraft	Cerrna			175				
	Gerial No			Nationa	ility and Registra 72E	tion Mark		
	17556072			.	s (As shown on t			terrepristation in the same
	Name (As shown on registration certificate Roder i.c.k. Duckworth	,			A N. Bag			.49
2. Owner	Marie 1 Ch. 1990 Charles and				na, MI 486			
							reminus plants who . In	Common communication to the common to the co
	e out of the second of the sec	3. 7	or FAA Use O	nly	ray tag tag as a second			
							p=	
				•				
							,	
manager of the second continues	nga pengungang kawa nanggapaga bagai Pares Pelendenah mga pener ahan P elendenah pengunda (Pelendenah). Pelendenah mga pengunda (Pelendenah) mga pengundan pengundan pengundan pengundan pengundan pengundan pengundan	4. U	init identificat	lon	Transfer Michigan Contract (1974), and make	e francisco de la composición de la co	1 Type	A CONTRACTOR OF THE STATE OF TH
Unit	Make		M.,» lal		Serial	March	Hejmit	Alteration
	and the second of the second o				.1		10 11 11	100 00 0
AJRERAME.	oooooooooooooooooooooooooooooooooooooo	i i (merc)	tin Hem Labo	111) acce			1	3
					1			
POWERPLANT								
					*-1			
PROPELLER								
	Type		74 - CHECK BOOK - 1					
	••							
APPLIANCE	Manulacturer							
					1	anner urrane	1	
	The second section of the second seco	**	nformity State					
	ame and Address	P !	Kind of Agenc			G. Cert	ificate No.	
Tyler	Avionic Systems, Inc. pair Station #JD5R958M		II.S Certificate			\dashv	JD5F	358M
700 L	ncoIn Lake Rd.	X	Certificated Re		 			
	, MI 49331		Vacufacturer	Pen Othic	>11			
•	nat the repair and/or alteration made to the ur	.L \il/e\		m 4 ahov	e and described	on the revers	e or attachme	ents hereto
have bee	n made in accordance with the requirements I herein is true and correct to the best of my	of P	art 43 of the U					
Date		10	nature of Auth	arizort la	utivical			

7. Approval for Return To Service
Pursuant to the authority given persons specified below, the urgt identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ** X APPROVED — D REJECTED.

Inspection Authorization

Person Approved by Transport Canada Airworthiness Group Other (Specify)

FAA Form 337 (12 88)

MAY 2 9 1990

5/19/90

5/17/90

FAATII, Standards Inspector

FAA Designee

Manufacturer

Repair Station

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, Identity with aircraft nationality and registration mark and date work completed.)

Removed:

MK-12 Nav/Com System

Installed:

ACK A-30 Encoder, P/N Not Available AV-529 Antenna, P/N Not Available King KY-97A Com Transceiver, P/N 064-1051-51 Foster LRN-500 Receiver, P/N 80500565-01 Foster Loran Antenna, P/N B05D0630-11

Units were installed in manufacturers trays in accordance with manufacturers instructions and FAA AC43-13-1A and 43-13-2A.

Aircraft logbook, Weight and Balance Data, and Equipment List has been updated to reflect the above changes.

Loran Receiver placarded: "For VFR Use Only:"

NEW EMPTY WEIGHT: 1452.8 lbs.

42.1 in. aft of datum 897.2 lbs. NEW C.G.

NEW USEFUL LOAD: dolociologici cin il END ikak kolo potencio lo lociologici cincio lociologici protencia del Antala de Antala d

[]-Additional Sheets Are Attached

DATE: / UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION
STATE

OF THE PROPERTY O I NATIONALITY AND REGISTRATION MARKS AIRCRAFT SENIAL скэ**эн** 175 55082 NORMAL NG572E 5. AUTHORITY AND BASIS FOR ESSUANCE.
This altworthiness certificate of the first of the control of issuance, the circuity is which issued that seem instructed and found to inform to the type certificate therefor, to be in condition for the operation, which has been instructed and found to inform to the type certificate therefor, to be in condition for the operation, which has been instructed and found to inform to the type certificate to comprehensive and detailed privately and the property of the convention on international Civil Aviation, except as noted been.

Inceptions:

NONE. 6 TERMS AND CONDITIONS
Unless sooner surrendered, surranged, re
this airworthiness certificate is the careful performed in accordance with Payls 71,
aircraft is registered in the United 88 to is otherwise stablished by the Administrator,
, preventally maintenance, and alterations are
Aviation Regulations, as appropriate, and the BATE OF ESHANCE 57 HORMAN MECRALENBURG WE F800 62 Any alteration, reproduction, or misuse of this certifical-may the 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 FIDERAL AVIATION REGULATIONS. FAA Form 8100-2 (7.67) FORMERLY FAA FORM 1362

FAA AIRCRAFT REGISTRY

CAMERA NO.

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 DATE: 4 - 2 - 86

DEP. HT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Form Approved Budget Burean No. 04-R060.1

	MAIO	R REPAIR AN	ID A	i TE	PATION			FOR FAA		
		owerplant, Pr				ce)	^O A	CLPST	3 00.63	3
INSTRUCT	IONS: Print or typons and disposition	oe all entries. See n of this form.	FAR -	43.9.	, FAR 43 Appe	ndix B, and	AC 43.9-1 (or	subsequent	revision t	hereof)
	MAKE Cessna					MODEL	175	5		
1. AIRCRAFT	SERIAL NO. 56072				:		TY AND REGIS	TRATION M	ARK	
	NAME (As shown o	on registration certifi	cate)				s shown on reg Eastor		ficate)	······································
2. OWNER	Dougle	s Anderson				Rive	s Juncti		1492	77
			3	3. FC	OR FAA USE ON	LY				
		4, UN	IT IDI	ENTII	FICATION				5.	TYPE
กหน	м.	AKE			MODEL		SERIAL	но,	REPAIR	ALTER-
AIRFRAME	*****	****************	As de	scrib+	ed in item 1 ab	ove) ******	*********	•••		хх
POWERPLANT									,	
PROPELLER										
APPLIANCE	MANUFACTURER						·			
	L		<u> </u>	CONI	FORMITY STATES	AFNT	L	·····		J
A. /	AGENCY'S NAME	AND ADDRESS	<u> </u>	1		D OF AGE	NCY	C. CEI	RTIFICATE	NO.
Brian	n VanWagne	n		X	U.S. CERTIFICATION				u: 0 a a 4	
	Brooklyn son, MI 49				CERTIFICATED R	EPAIR STATION		3795	48096	
D. 1 certify	that the repair ar	id/or alteration m en made in accord urnished herein is	ance v	with ind c	the requireme	ified in item nts of Part 4 pest of my k	nowledge.	described o Federal Avia	n the rev	erse or dations
DATE AL	46 13, 1989					en Cla	individual	Rnoc	<u>5</u>	
Pursuant to	the authority give	n persons specified	belov	v, th	FOR RETURN To	d in item 4	was inspected	in the mann	er prescril	ed by
the Adminis	restor of the Feder	al Aviation Admini	stratio	7	id is PS APP	COVED []	OTHER (Specify)			
ВУ Іня	ECTOR DESIGNEE	MANUFACTURER REPAIR STATION	X	CAI	SPECTION AUTHORI NADIAN DEPARTM TRANSPORT INSP	ENT				
DATE OF APP	ROVAL OR	CERTIFICATE OR DESIGNATION N			AHCRAFI SNATURE OF					
" Aug	13, 1985	379548096	دَ	<u></u>	1.22	rouge	Van C	10/10		
AA Form	227 17 470				·					8370)

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 DATE: 4 - 2 - 86

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 CONTINENTAL GO-300 ENGINE

INSTALLED FRANKLIN 6A350C-2 ENGINE (SERIAL #61023) AND MCCAULEY MODEL 2A31CZIE PROPELLER (SERIAL#672771) IN ACCORDANCE WITH STC SA436EA

WEIGHT AND BALANCE DATA, FLIGHT MANUAL AND PLACARDS REVISED $\underline{\text{END}}$

ADDITIONAL SHEETS ARE ATTACHED

Willia, GOVERNMENT PRINTING DEFICE: 1977-771-021/344

FOR FAA USE ONLY

OF TRANSPORTATION FEDERAL ASSISTION ADMINISTRATION MAJOR REPAIR AND ALTERATION OFFICE IDENTIFICATION (Airframe, Powerplant, Propeller, or Appliance) DET-MISO-CE 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. MAKE MODEL Cessna 175 1. AIRCRAFT SERIAL NO. 56072 NATIONALITY AND REGISTRATION MARK N6572E NAME (As shown on registration certificate) ADDRESS (As shown on registration certificate)
11135 Easton Rd. 2. OWNER Douglas Anderson Rives Jct., ML. 49277 3. FOR FAA USE ONLY interation to subsect herein complies with the any limiting at earth, and on the approved for the above described thereof, and partie, exhibiting inspection by a person authorized in FAR 43 Section 43.7. EKGNATURE di FAA INSPECTOR: 4. UNIT IDENTIFICATION 5. TYPE MAKE SERIAL NO. ALTER REPAIR ATION ATRFRAME recommendation (As described in item 1 above) XXPOWERPLANT PROPELLER APPLIANCE MANUFACTURER 6. CONFORMITY STATEMENT AGENCY'S NAME AND ADDRESS B. KIND OF AGENCY C. CERTIFICATE NO. CERTIFICATED MECHANIC Brian VanWagnen FOREIGN CERTIFICATED MECHANIC 6780 Brooklyn Road Jackson, M. 49201 CERTIFICATED REPAIR STATION 379548096 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 SIGNATURE OF AUTHORIZED INDIVIDUAL Aug. 13, 1985 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 FAA FLT. STANDARDS MANUFACTURER INSPECTION AUTHORIZATION CANADIAN DEPARTMENT JAA DESIGNEE REPAIR STATION OF TRANSPORT INSPECTOR OF AIRCRAFT DATE OF APPROVAL OR CERTIFICATE OR REJECTION 12 DEC 1586 SIGNATURE OF AUTHORIZED INDIVIDUAL DESIGNATION NO 3795440096 FAA Form 337 (7-67)

(8320)

FAA AIRCRAFT REGISTRY CAMERA NO.

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.

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

Removed original 500x5 nosewheel fork and wheel.

Installed 600m6 nosewheel form (Cessna pn. 5042013-497), and Cleveland 40-113B nosewheel, with 15x6.00x6 4 ply tire.

Weight and balance data and equipment list revised.

-END-

ADDITIONAL SHEETS ARE ATTACHED

WO #35919 - mb

•		DEPAR : 1 OF TRANS				Budget	Burcan No.	. 04-R060	.1
		ERAL VIATION AD		-			OR FAA U		
		REPAIR AND			,	OFFICE	IDENTIFICA	•	
	(Airframe, Po							Columbus	
INSTRUCT for instruction	TONS: Print or type ons and disposition o	all entries. See tof this form.	AR 43	.9, FAR 43 Appe	ndix B, and A	C 43.9-1 (or st	ibsequent r	evision the	ereof)
-	MAKE COOPIL				MODEL :	C-175			
. AIRCRAFT	SERIAL NO. 56072			,	1	N6572E			
	NAME (As shown on	registration certific	ale)			shown on regist			
2. OWNER	Willard L. S			•	Mt. Ve	lick Stree roon, Ohio	93050	<u></u>	· · · · · ·
	<u> </u>	-	3.	FOR FAA USE ON	LY				
		g	¢	•		i i		31	
				•					
		4. UN	it idei	NTIFICATION				5. 1	
UNIT	MAK	ŧ		MODEL		SERIAL P	10.	REPAIR	ALTER-
AIRFRAME	*******	**********************************	As desi	cribed in item 1 a	bave)	••••••••	•		XXX
POWERPLAN'	1								
PROPELLER						• 1		,	
APPLIANCE	MANUFACTURER \$		*				· · · · · ·		
	<u> </u>	-	6. (CONFORMITY STATE				TIFICATE	NO.
A.	AGENCY'S NAME A	AND ADDRESS			IND OF AGEN	ICY -	Repair St	RTIFICATE	9 1
ElectroSoni AiRadio Co 4885 Sawye Columbus, C	rporation r Road		.,	FOREIGN CER	ATED MECHANIC TIFICATED MECHA REPAIR STATION	NIC :	Radio Cla & 3 Lim Instrumen Specializ	ies 1, 2, lited te Limite	d .
D. I certif	y that the repair and nents hereto have bee at the information fu	I/or alteration m in made in accord rnished herein is	ade to lance v	the unit(s) identity the the requirement of the the requirement to the	ntified in item lents of Part 4 best of my ki	noyledge.	described o	n the rev	erse or ilations
DATE	July 26, 1979			SIGNATURE OF	enjht	envoir			
	o the authority given	T.	APPRO	VAL FOR RETURN	fied in item 4	was inspected i	n the mann	er prescri	bed by
the Admin	istrator of the redera	1 Aviation Admin	istratio			OTHER (Specify)			
	AA FLT, STANDARDS NSHECTOR	MANUFACTURER		CANADIAN DEPAR	IMENT	_		-	
l	AA DESIGNEE XX	REPAIR STATION		OF TRANSPORT IN OF AIRCRAFT		INDIVIDUAL			
REJECTION	PPROVAL OR	CERTIFICATE OR DESIGNATION 1		SIGITATORE OF	Deny/h	Y-	(
` _	26, 1979	1009			/:				(8320)
FAA Fany	337 (7-67)				/				

FAA AIRCRAFT CAMERA NO.	REGIS	TRY DATE:	4	2	- 86
				. /\	

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 girecorthiness requirements.

. A MK-12, VOA-4 and an AT-150 were installed.	.
. A MK-6 was removed from the aircraft. A MK-12, VOA-4 and an AT-150 were installed.	4
. A MK-12, VOA-4 and an AT-150 were installed.	
The following equipment was installed in the instrument pa	
A.C. 43.13-2, Chapter 2 and 11: MK-12 MK-12 AT-150	anel in accordance wi
the inside firewall.	
. A Power Supply was last and the A.C. 43.13	2. Chapter 2.
ll of the above was installed in accordance with A.C. 43.13	this noncy
ll pertinent details regarding the above information is on f	ile with this agency
he following antennae wore installed in accordance with A.C.	43.13-2, Chapter 3:
TAN KIMAINED COM MAC.	,
lectrical load check completed per A.C. 43.13-2 Chapter 2, F	aragraph 27 and 100m
o be within limits.	•
O DE ATTURE TOTAL	was in accordance
ill wires, fuses, circuit breakers, and method of installation	AL WES IN LEGISLA
vith A.C. 43.13-1, Chapter 11, Section 2 and 3.	
THE R.O. STREET IN	DING INFORMATION FRO
AIRCRAFT MUST HE LOADED IN ACCORDANCE WITH THE PRESCRIBED LOA	
MANUYACTURKA.	
New York	
	seful Load 889.8
Moment 53930.44 × New B. W.	seful Loadser.o
Moment 53930.44 2 New B. W. Co	seful Load 889.8
Moment 53930.44 × New B. W.	seful load 880.8
Moment 53930.44 2 New E. W. Co	seful load
Moment 53930.44 2 New E. W. Co	seful load
Weight 53930.44 = New B. W. State St	seful load
Weight 53930.44 FROW B. W. S. Sheller D. Sheller	seful load
Weight 53930.44 = New B. W. State St	seful load
Weight 53930.44 = New B. W. S.	o-1 CHEF APS
Moment 53930.44 New B. W. State Stat	O-1 CHIEF APS
Moment 53930.44 Rew B. W. S. Weight 1460.2 END D. Sheffer Mac	O-1 CHIEF APS 1
Moment 53930.44 2 New B. 8. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0-1 CHIEF APS 1-2-2 RECEIVED
Moment 53930.44 2 New B. C. Shelfer Mac	O-1 CHIEF APS 1
Moment 53930.44 2 New B. 5. Co Weight 1460.2 D. Shaffer Mac	0-1 CHIEF APS
Moment 53930.44 Rew B. S. Weight 1460.2 D. Shaffer Mac	0-1 CHIEF APS
Moment 53930.44 Rew B. S. Weight 1460.2 D. Shaffer Mac	0-1 CHIEF APS
Moment 53930.44 2 New B. S. C. Weight 1460.2 D. Shaffer Mac	0-1 CHIEF APS
Moment 53930.44 2 New B. S. C. Weight 1460.2 D. Shaffer Mac	0-1 CHIEF APS

	A DEFA - NT OF TRANSPO	RTATIC	W.			Form A	Approved	04-R060	2.1
FEDERAL VIATION ADMINISTRATION							Therean No FOR FAA U	USE ONL	.)'
•	MAJOR REPAIR AND	TERATION			OFFICE	IDENTIFIC	ATION -	CUAD	
	(Airframe, Powerplant, Prope	r, or Appliance)					Colum	ibus, Ol	
INSTRUCTI	IONS: Print or type all entries. See FAI	R 43.	9, FAR 43 App	endix B, and A	C 43.9-	·1 (or su	ubsequent r	evision th	rereof)
	MAKE			MODEL					
	_Cessne	175 NATIONALITY AND REGISTRATION MARK							
1. AIRCRAFT	SERIAL NO.	3	1 -			AM FIGHT.			
	56072		ADDRESS (As	6572 shown o	n registe	ration certifi	cate)		
1	NAME (As shown on registration certificate	-1	k	8 Plaza				-	
2. OWNER	2. OWNER Bruce Waters			Mt Verne)hie	43050		
			FOR FAA USE OF					•	<u>:</u>
		air by	reraft subject to co n person authoriz	the playe describe unformity impostles and in FAR-43.7. TOR Markon V		in A	GL-GADA	2.7	
	4. UNIT	IDEN	TIFICATION:					5. \	TYPE
UNIT	MAKE	WODEL			SERIAL NO.		REPAIR	ALTER-	
AIRFRAME.	(As	desci	ribad in item 1 o	above)******			<u>•</u>		*
POWERPLANT								-	
PROPELLER									
	TYPE				_				
APPLIANCE								.	
OF FRANCE	MANUFACTURER							1	
		6 (1	ONFORMITY STAT	TEMENT			•		
	AGENCY'S NAME AND ADDRESS		B. K	IND OF AGEN	CY			RTIFICATE	
			X	CATED MECHANIC			A&P 19	929710	3
ية]. ≃لئات ال	oha W Wilson yakoop Airport Rt 4	[FOREIGN CERTIFICATED MECHANIC			-			
Mt Vernen, Ohio 43050		-	CERTIFICATED REPAIR STATION			1			
D, I certify	y that the repair and/or alteration made ents hereto have been made in accordant t the information furnished herein is tru	e to	the unit(s) ide ith the requiren id correct to the	entified in item ments of Part 4; e best of my kr	iowiedi	gc.	described of descr	on the rev	verse or ulations
DATE	•			F AUTHORIZED			1 1991 - 2		

DATE OF APPROVAL OR
REJECTION

26 form 83

FAA Form 337 (7-67)

26 Jan. 93

FAA FLT, STANDARDS INSPECTOR

TAA DESIGNEE

MANUFACTURER

REPAIR STATION

CERTIFICATE OR DESIGNATION NO.

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

INSPECTION AUTHORIZATION

CANADIAN DEPARTMENT
OF TRANSPORT INSPECTOR
OF AIRCRAFT

SIGNATURE OF AUTHORIZED INDIVIDUAL

LIMIT LIMIT LANGE

LIMIT L

OTHER (Specify)

(8320)

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.

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

Removed 35 amp. Delce Rem generator P/N 1101914 Serial 31280. Generator regulator, noise filter, and related wiring.

Installed, Cessna alternator P/N C 611501-0204 DSF 10-300 F Cessna alternator regulator P/N 611001-02-1 Noise filter P/N 0770038-2 Plug assembly P/N 1250211-5 Diede assembly P/N 0770719-1 60 amp circuit breaker S 1596-60 and related wiring.

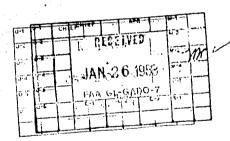
Cessna customer service, by phone, stated Cessna conversion unit kit SK 172-22F used for this conversion on 175 aircraft. Letter from Cent. dated 15 Dec. 82 signed by Service Rep. A.L. Beech approves of such change.

Reference made to Cessna Drawing 0500062 172 1965 Page 4.9

Units removed 17.5 lbs Units installed 12.9 lbs.

Hew weight and balance as follows:

Weight 1455.6 Arm 36.993844 Moment 53848.24 U/L 894.4



"I ADDITIONAL SHEETS ARE ATTACHED

WO #39183 - mb

I IF THANKPORTATION FEDERAL AVIATION ADMINISTRATION FOR FAA USE ONLY MAJOR REPAIR AND ALTERATION OFFICE IDENTIFICATION CL. GAD Columbus, (Airframe, Powerplant, Propeller, or Appliance) 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. MODEL MAKE 175 Севвла 1. AIRCRAFT SERIAL NO. NATIONALITY AND REGISTRATION MARK N6572E 56072 ADDRESS (As shown on registration certificate) NAME (As shown on registration certificate) 8 Plaza Drive 2. OWNER Bruce Waters Mt. Vernon, Ohio 43050 3. FOR FAA USE ONLY 4. UNIT IDENTIFICATION 5. TYPE REPAIR HOHA AIRFRAME XXXXX POWERPLANT PROPELLER APPLIANCE 6. CONFORMITY STATEMENT C. CERTIFICATE NO. B. KIND OF AGENCY A. AGENCY'S NAME AND ADDRESS Repair Station 1009
Radio Class 1, 2,
& 3 Limited
Instruments Limited
Specialized Services U.S. CERTIFICATED MECHANIC ElectroSonice Division FOREIGN CERTIFICATED MECHANIC AiRadio Corporation 4885 Sawyer Road CERTIFICATED REPAIR STATION Columbus, Ohio 48219 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. Edetal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. SIGNATURE OF AUTHORIZED INDIVIDUAL DATE March 1, 1983 7. APPROVAL FOR RETURN TO SERVICE Pursuant to the authority given persons specified below, the the Administrator of the Federal Aviation Administration and unit identified in item 4 was inspected in the is APPROVED REJECTED OTHER (Specify) FAA FLT. STAHDARDS INSPECTION AUTHORIZATION MANUFACTURER BY CANADIAN DEPARTMENT FAA DESIGNEE REPAIR STATION OF TRANSPORT INSPECTOR AUTHORIZED INDIVIOUAL CERTIFICATE OR DATE OF APPROVAL OR SIGNATURE REJECTION DESIGNATION NO.

FAA Form 337 (7-67)

March 1, 1983

17 U.S. Government Printing Office 1977 -- 272-646/141

1009

(8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 DATE: 4 - 2 - 86

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.)
 - 1. The following equipment was removed from the aircraft:
 Attitude gyro KX-150, Nav/Comm
 - 2. The following equipment was installed in the instrument panel in accordance with A.C. 43.13-2, Chapter 2 and 11:

 VOA-4, Indicator MK-12B, Nav/Comm Attitude gyro
 - 3. The following equipment was installed in the aft fuselege:
 MK-12, Power supply

All of the above was installed in accordance with A.C. 43.13-2, Chapter 2.

All pertinent details regarding the above information is on file with this agency.'

Electrical load check completed per A.C. 43.13-2, Chapter 2, paragraph 27 and found to be within limits.

All wires, fuses, circuit breakers, and method of installation was in accordance with A.C. $43^{\circ}.13-1$, Chapter II, Section 2 and 3.

AIRCRAFT MUST BE LOADED IN ACCORDANCE WITH THE PRESCRIBED LOADING INFORMATION FROM MANUFACTURER.

Moment	54414.0	= New E.W.	OG 37,3	New Useful	Load & 889.8
Weight	1460.2				

Rnd

Beatty

2.7	CHIEF	11/2	AF5	100	VZ
		RECEIV	ED	177	8.
2-3]			#-3	1-1
)-4-	MAI	7 - 4	1983	M-4	
***	FAA	GL-GA	_	₩-5	
	C-1	C-3	C-3	A-1	B
			1		7 1

ADDITIONAL SHEETS ARE ATTACHED

		DEPARTI OF TRANS		ON FEI	•	Form A Budget	pproved Bureau N	a. 04-R060	. 1	
1	MAJOR REPAIR AND ALTERATION FEB 12 1976					FOR FAA USE ONLY				
(Airframe, Powerplant, Propeller, or Appliance)						OFFICE	OFFICE IDENTIFICATION GADO-7			
INICTUIICT	TONS: Print or type	all entries. See l	AR 43	.9, FAR 43 Appe	ndix B, and AC	43.9-1 (or st	bsequent	revision th	ercol)	
for instruction	ons and disposition i	of this form.		.,	MODEL					
	MAKE CESSNA				175					
I. AIRCRAFT	SERIAL NO.				NATIONALITY AND REGISTRATION MARK					
	56072 NAME (As shown on registration certificate)				ADDRESS (As shown on registration certificate)					
2. OWNER					2246 SOUTHGATE PARKWAY SUITE 2 CAMBRIDGE, OHIO 43725					
	3. FOR FAA USE ONLY						, ,,,,			
				3						
*				The Mary Barry	1, *					
		A IIN	IT INFO	ITIFICATION '				5. 1	YPE	
			U_IDE	MODEL		SERIAL P	10.	REPAIR	ALTER-	
TINU	MAN	E		3.3.					MOITA	
AIRFRAME	*******	************************	As desc	ribed in item 1 a	oove)	***********	,		X	
POWERPLAN			1							
POWERITAIN	1						1	_		
DD D D C U E D			er and		•					
PROPELLER		F . 14			1.			_	ļ	
	TYPE			e i Paride.	,		2			
APPLIANCE	MANUFACTURER	Table 1887 19	2.5			. *.	17			
			L.,	ONFORMITY, STAT	MENT				l	
	AGENCY'S NAME		<u> </u>		ND OF AGEN	СУ	C. C	ERTIFICATE	NO.	
				X U.S. CERTIFIC		115				
ROGER R. MAYES 68 N. CHURCH ST.			FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION			A&P1958995				
THORNVI	LLE, OHIO	43076		MANUFACTUR	ER		L			
D. I certif	fy that the repair an nents hereto have be- at the information fu	d/or alteration men made in accordanced herein is	ade to lance v true a	the unit(s) ide with the requirem nd correct to the	ntified in item ents of Part 43 best of my kn	4 aboye and , of the U.S. I owledge.	described Tederal Av	on the reviation Reg	erse or ulations	
DATE				SIGNATURE OF	AUTHORIZED	INDIVIDUAL		are e		
FEBR	RUARY 10, 19	76		ROBER	R. MAYE		the production	di est		
	N. C.	7.	APPRO	VAL FOR RETURN	TO SERVICE					
Pursuant t	o the authority givet histrator of the Federa	persons specified	l belov istratio	v, the unit identi n and is 🙀 AP	fied in item 4 w PROVED R	ras inspected i EJECTED	n the mar	mer preser	ibed by	
	AA FLT, STANDARDS	MANUFACTURER	x	INSPECTION AUTHO		OTHER (Specify)				
BY - It	NA DESIGNEE	REPAIR STATION	^_	CANADIAN DEPAR OF TRANSPORT IN	IMENT					
	APPROVAL OR	CERTIFICATE OR		SIGNATURE 2	PAUTHORIZED					
PETCTION	ARY 10, 1976	DESIGNATION N	√0. 35 I	82	ED D MAN	//anco				
LEBRUA	ARY 10, 19/0	AUF 13303	ו כי	T KOG	ER R. MA	i E ar			(8320)	

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.

- DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)
 - 1. INSTALLED DORNE AND MARGOLIN INC. MODEL ELT DM5-2 EMERGENCY LOCATOR TRANSMITTER WEIGHT 3.2 LBS. AT STATION 84.0. INSTALLED DMQ18-1/A EXTERNAL ANTENNA WT. 8.0 oz. AT STATION 100.0.

ALL WORK ACCOMPLISHED IN ACCORDANCE WITH A.C. 43.13-1; A.C. 43.13-2, CHAPTERS 1,2 & 3 AND A.C. 00-35.

NO ELECTRICAL LOAD CHANGE - SELF CONTAINED BATTERY.

2. THE FOLLOWING ITEMS INSTALLED AT DATES UNKNOWN AND BY PERSON OR PERSONS UNKNOWN:

1	DIRECTIONAL GYRO	3.0	+14
1	ARTIFICAL HORIZON	4.5	+14
1	VENTURI SYSTEM INCLUDING HOSES & TUBING	3.0	+ 8
1	CYLINDER TEMP GUAGE	-5	+15
1	KING KX150	8.5	+10
	NARCO MK 6	6.5	+10

ELECTRICAL LOAD DOES NOT EXCEED 80% OF ALTERNATOR CAPACITY OF 20 AMPS.

NEW EMPTY WEIGHT 1448.2 NEW EMPTY C.G. 37.2 NEW USEFUL LOAD 901.8

NOTHING BELOW

ADDITIONAL SHEETS ARE ATTACHED

U.S. G.P.O. 1972/720-694/545/1303

gramators, outer a 1881

FAA AIRCRAFT	REGI	STRY						
CAMERA NO.	4	DATE:	4	a	2	-	86	

1	U. 5, DEPARTMENT OF COMMERCE CIVIL AERONAUTICS ADMINISTRATION		INSTRU	CTIONS
	APPLICATION FOR AIRWORTHINESS CERT AND/OR ANNUAL INSPECTION OF AN AIR	IFICATE RCRAFT	Please print or type. S Civil Aeronautics Admin Field Representative.	Submit this form to the distration Aviation Safety
	1, TYPE OF APPLICATION (Check which)		1	
	· · · · · · · · · · · · · · · · · · ·	aL [] RECE	RTIFICATION UNDER THE PROV	ISIONS OF CAR #
	a. M ORIGINAL ISSUANCE OF CERTIFICATE	MULT	TPLE CERTIFICATE UNDER THE	PROVISIONS OF CAR
. 1	b. ANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE THE AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE	r. 🗆		· i
l	the state of the s	<u> </u>	<u></u>	
	 AIRWORTHINESS CLASSIFICATION (Check appropriate the It is requested that the Certificate of Airworthiness be worthiness classification(s); 		mit operation of the aircra	ift in the following air-
- 1	E. 23 STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CAT	EGORIES)		
Į.	b. [] LIMITED (SEE CAR 9)		Action to the second second	
	CO ASSESSMENTED (CER CAR II)			
1	(Check the restricted special purpose operation(s) to be commutatory	□ PATE	ROLLING	
,	AGRICULTURAL AND PEST CONTROL		EST AND WILDLIFE CONSERVATI	ON
	AERIAL ADVERTISING		THER CONTROL	
<u>`</u>	AERIAL SURVEYING	OTHI		
	GLIDER TOWING		T ,,	
ŀ	d. EXPERIMENTAL (Check the type of experimental operation(s) to be conducted)	•		
1	RESEARCH AND DEVELOPMENT	☐ RAC	ing '	1
i		☐ EXH	IBITION FOR THE	
Ì	MATEUR-BUILT	□ отн	IER	
	DEMONSTRATION			
	3. AIRCRAFT IDENTIFICATION (Complete all stems)		E. AIRCRAFT S	SERIAL NO.
	B. AIRCRAFT MAKE b. AIRCRAFT MOE)EL	E. AIRCHAI	1
		175		56072
'	Cessna	a ENGINI	WORE .	1.
	d. ENGINE MAKE	e Engini	. 190012	•
	- 1	GO-	300A	
	Continental	1		
	4. AIRCRAFT REGISTRATION INFORMATION (Compile	b PERM/	MENT MAILING ADDRESS	c. AIRCRAFT NATIONALITY
	. REGISTERED OWNER'S FULL NAME			AND REGISTRATION
			i	" CEZOE
,	Cessna Aircraft Company	Wic	hita, Kansas	N- 6572E
* 4	Cessna Alrerate Company	St. 60		
		•	•	
				·
	The state of the s	plete appromials	(tem)	
acre 9-9	5. AIRCRAFT OWNER'S CERTIFICATION (Check and com I hereby certify that I am the registered owner registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evid	as required ence of regist	by the Regulations of the ration:	
1	DE CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A). D. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART E)	UAIE UF 135U	M PART A FORWARDED TO CAA	AIRCRAFT RECORDS BRANCH,
	b. APPLICATION FOR REGISTRATION. FORM ACA-S00 (PART B	13. FURM ALA-3	DO, 27-112 TW 2 W-1-11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
	W-300 ON (DATE)			14 S
	e. The Dealer's REGISTRATION CERTIFICATE, FORM ACA-1707, I	1A1ED		"
	In order to be eligible for registration an aircraft must be owned by a ciliren of the United States, as defined by Section 1 (13) of the Civil Aeronautics Act of 1938, as armonded.			
	ATTACHMENTS (Check which)	10	Del Roskar	Mana
	ACA-319 WEIGHT AND BALANCE REPORT -	(S)	SNATURE OF REGISTERED OWNER OR	
	T ACA-337 DATA, DRAWINGS, ETC.	e 11	-9	Owner's Agent
	ACA-317 UNAPPROVED DEVIATION DATA	5-16-	ITEN	(TITLE)
	In cont I			Form ACA-308 (11-51)

Form Approved. Budget Bureau, No. 41-R041.5

mody

FAA AIRCRAFT	REGIS	STRY						
CAMERA NO.	4	DATE:	4	-	2	_	26	•

The second of th

	RTMENT OF COMMERCE NAUTICS ADMINISTRATION
AIRCRAFT (To be completed by a CAA)	INSPECTION REPORT representative or approved repair station)
The aircraft described in Item 3 on the reverse of this	form has been inspected and found to conform to the following:
(Check and complete applicable items)	•
1. AIRCRAFT AND ENGINE CERTIFICATION BASIS MAIRCRAFT SPECIFICATION NO. 3A17 THE	AROUGH SHEET REVISION NO. /
b. AIRCRAFT LISTING PAGE NO.	}
c. AIRWORTHINESS DIRECTIVE SUMMARY(YEAR)	THROUGH CARD NO.
d. CIVIL AIR REGULATION PART & (MODIFIED TYPE CERTIFIED	•
2. AIRCRAFT AND ENGINE OPERATING RECORDS	
L M AIRCRAFT NEW-NO PREVIOUS OPERATION OR MAINTEN	
h. COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECT	TIVES RECORDED
c. AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEE	N OPERATED A TOTAL OF HOURS
d. ENGINE RECORDS INDICATE THE FOLLOWING OPERATION	
SERIAL NO.	TOTAL HOURS
3. PREVIOUS INSPECTION RECORD (INSPECTION	RECORDED ON FORM ACA-319)
* LAST AIRWORTHINESS INSPECTION CONDUCTED	
BY AIRCRAFT MANUFACTURER	(DATE)
BY APPROVED REPAIR STATION, CERTIFICATE NO	0
BY MECHANIC, CERTIFICATE NO.	<u>and the state of </u>
b. PERIODIC AIRCRAFT INSPECTION REPORT, FORM ACA-1	IIB, WAS RETURNED TO OWNER
4. AIRWORTHINESS DOCUMENTS ISSUED OR RE	VIEWED
	CAR 3.777 (b) displayed in
a. ☐ OPERATION LIMITATIONS, FORM—ACG_SOF, WAS INCOMES b. ☐ CURRENT OPERATION LIMITATIONS, FORM ACA-309, IS	AVAILABLE IN AIRCRAFT aircraft
b. ☐ CURRENT OPERATION LIMITATIONS, FORM ACA-309, 13 c. ☐ CURRENT APPROVED AIRPLANE FLIGHT MANUAL IS AVA	ATTION OF THE PROPERTY OF THE
d. M CURRENT WEIGHT AND BALANCE INFORMATION IS AVA	
A. [] THIS INSPECTION HAS BEEN RECORDED IN THE AIRCRA	
1. CERTIFICATE OF AIRWORTHINESS, FORM ACA-1362, ISSI	UFD TO EXPIRE LINGUI INI UE
g. PREVIOUS FORM ACA-1362 WAS ISSUED TO EXPIRE	(A)
BY 1	(DATE)
(NAME OF ISSUING REPRESENTATIVE)	(DESIGNATION NO.)
5. CAA APPROVED REPAIR STATION CERTIFICAT	
The aircraft described on the reverse has been i	inspected under the authority accorded certificated repair station
No by CAR 52 and was found to	
DATIPUORTHY / 1/1/	
DMCR 31 -	(REPAIR STATION AUTHORIZED SIGNATURE) (DATE)
E the Endered Casemanial Dis	The state of the s
I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE REVE	RSE AND FOUND IT AIRWORTHY UNAIRWORTHY (Check appropriate Item)
DESIGNEE'S SUPNATURE	DESIGNATION NO. DATE
By A Teun Jobe	5-16-1-9
AVIATION SAFETY AGENTS SIGNATONI	CAA DESIGNATION NO. DATE ACCEPTED
	☐ REINSPECTED
	☐ SPOT CHECKED
☐ ATTACHMENT	
in the second se	
	The second secon

878 660

AIRCRAFT	MAKE	espa		Wot		-	RPLANT, PROPE SERIAL NO. 56072	NAT	6572E	REGISTRATION MARK
, OWNER	NAME (Fir	et, middle HYON	, last) FIXIEG CIUI			Room	s (Street and number, city, 211, Administ ge County Air	rat10	n Bldg ianta A	na,Calif.
. COMPLE	TE ONLY	FOR	UNIT REPAIRE	D AND/OR A	LTERED. D	ESCRIE	BE WORK ACCOMP	LISHED	ON RE	VERSE IN AC-
UNIT			MAKE		MODEL		SERIAL NO.	-	NATURE OF OR REPAIR	WORK (Check) MAJOR ALTERATION
AIRFRAME			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	h (As described i	n ltem 1 above)	*****	*********			XXX
POWERPLAN					٠.					
PROPELLER			•							
- THOI LLLLIN		YPE AND	MANUFACTURER					-		
. APPLIANCE	-					1				
AIRCRAI	TER thore	iairs an	D BALANCE DA	TA This ite case of a stalled i if applic	t spare comp n an aircraft. able.	At th	ed by repair or alters t will not be comple is time, it will be con	mpleted	til such co by the in	
CATEGO	ιΥ		EMPTY WEIGHT (Po		EMPTY	CENTER O	GRAVITY (Inches from dali	ım)*	USEF	UL LOAD (Pounds)*
Stand	ard		1448.2	•	37.	42" A	rs.		901	1.8
5. CONFOE			IENT (Complete and	check)	b. KIND OF A	CENCY			c. CERTIFICA	TE NO.
251	lipm A 8-B El ta Nos	den A		4	☐ Forei ☐ Certi ☐ Man	gn Cert ficated ifacture (Che was i	ated Mechanic. ificated Mechanic. Repair Station. r. ck if repair or alter nade under delegation procedures.)	ation	A&P 13:	18763
Onto:	repair and/o	r siterati	on completed)	and correct to E (Check and com w the unit ide	the best of n	tems)	Fignature of authority inspected in the ma	ted indivi	dual) rescribed	by the Adminis
1	REJECTE	val or re	Standards Inspector	t ∏ Rop	nufacturer pair Station	(Signatur	anadian Department ther (Specify)	Utle or Id	entilleation	<u> </u>
	arded for	engine	ering comment	☐ See : ☐ Reinspecte	attached men	(Date)	m , 7		31 196	(Dute)
	$-c_{\rm MDC}$) L	1-1							

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 DATE: 4 - 2 - 86

INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, power-plant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the FAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

B. DESCRIPTION OF WORK ACCOMPLISHED.

Installed Kelair V.H.F. Reciever in instrument panel using all A.H. Hardware. Connected reciever electrical to a/c electrical system in accordance with GAM-18. Total steady current drain does not exceed 80% of generator rated subput:

a/c empty 1447
Kelair Rec. 1248.

ATB-37.44 9.0 Koment. 54175.68 10.60 54186.48

54166.48 = plus 37.42" new E.W.C.0 1448.2

MOTHURO POLLOYS!

"If additional space is needed attach additional sheets bearing aircraft nationality and registration mark and date work completed

Check block if additional shorts are attached.

R U.S. GOVERNMENT PRINTING OFFICE : 1981 O - PST160

Purm FA4-037 (4-63)

halon 1	REPAIR AND ALTERAT		AL AVIATION		INT, PROPELL		urcau No, 64-Roau,
	AKE A		Monti	SERIAL	L NO,	NATIONALITY	AND REGISTRATION M
. AIRCRAIT	Cesana		175		56072	<u></u>	6572 B
. OWNER	ame (Pirot, middle, lant) Cable Ilyin	g Jen	vice	13th	and Ren land, C	alif.	
, COMPLETE	ONLY FOR UNIT REFAIL	RED AND/OF	R ALTERED, DE	SCRIBE WO	RK ACCOMPLIS	HED ON R	EVERSE IN AC
CONDANCE	WITH CIVIL ALKONAOT			`	۲۷	NATURE C	or wonk (Carrl)
UNIT	MAKT,		MODEL	<u></u>	SERIAL NO.	MAJOR REPAIR	MAJOR ALTERAT
. AIRI RAME	***************************************	PAA (An Hooreth	od in itom I above) P	***************************************			X×
. POWERPLANT			n Identified herein				
. PROPELLER			Inscribed aircraft a person authoris				
			. / /	1 1 2 1 1	/// / I		
A AIRCHAFT	TYPE AND MANUFACTURER WEIGHT AND BALANCE I The repulse undfor alterations scribed below user made.	enso e ntalle	item must be conformated in an aircraft.		epair or alteratio		However, in t component is i installing agenc
I, AIRCHAFT	WEIGHT AND BALANCE I The repulse und/or alterations scribed below users made.	DATA This case of stalle if app	item must be co of a spare compet d in an aircraft. olicable,	mpleted by r nent, it will i At this time	repair or alteration to be completed, it will be completed (Inches from datum)*	eted by the	component is i installing agenc
CATLEGRAY Standara	WEIGHT AND BALANCE I The repulse und/or alterations scribed below users made.	DATA This case of atalle if app	item must be confor a spare competed in an alternat.	mpleted by renent, it will a At this time	repair or alteration to be completed, it will be completed (Inches from datum)*	eted by the	component is installing agence at the LOAD (Paunds)
CATLEGORY Standare 5. CONFORM AGENCY S NAME	WEIGHT AND HALANCE I the repulra undier alterations scribed below were made. LMPTY WEIGHT (/448 ITY STATEMENT (Complete AND ADDRESS	DATA This case of atalle if app	item must be confor a spare compared in an aircraft. IMPTY CE	mpleted by renent, it will renent, it will rener that this time with or cravity 37.4	repair or alteration to be completed, it will be completed (Inches from datum).	eted by the	component is installing agence installing agence in the LOAD (Pounds)
CALLGORY Standars 6. CONFORM M. AGENCY'S NAME DECEMBER 1. DO 0	WEIGHT AND HALANCE I the repulre undler atterations scribed below were made. LMPTY WEIGHT (/448 ITY STATEMENT (Complete	This case atalle if app	b. KIND OF ACI	mpleted by rent, it will rent,	repair or alteration to be completed, it will be completed, it will be completed (Inches from datum)* (Inches	c. CLATIFIC	component is installing agence at the LOAD (Paunds)
CALGORY Standars 5. CONFORM AGENCY S NAME 1899 Claus 6. I certify the	WEIGHT AND HALANCE I Other repulse undfor ulterations scribed before were made. EMPTY WEIGHT (AND ADDRESS W. Hiskay Land Complete Com	This case a stalle if app	b. KIND OF AGE LMPTY CE B. KIND OF AGE Certific Munuf.	mpleted by renert, it will in At this time At this time At this time AT THE OF CRAVITY CREY CERTIficated Merit of the Certificated Merit of the Certificated Merit of the Certificated Merit of the Me	repair or alteration to be completed, it will be completed, it will be completed (Inches from datum)* 13 16chanic. 1 Mechanic. Station. 1 depair or alteration der delegation of inches from a steration of inc	c. CLATIFE A+ E	component is installing agence in in. LOAD (Publish) 902 EATE NO. 116086
CATEGORY Standars S. CONFORM AGENCYS NAME 1899 Claus d. I certify the attachment the informs 3 Go	WEIGHT AND HALANCE I Other repulse undfor ulterations scribed before were made. EMPTY WEIGHT (AND ADDRESS W. Hisky Solam Complete And Appless Calif	This case a stalle if app	b. KIND OF AGE LMPTY CE B. KIND OF AGE Certific Munuf.	mpleted by rent, it will in At this time or GRAVITY 37. 4 ency ertificated Mented Repair acturer. (Check if rewas made untent in procedure in the procedure	repair or alteration to be completed, it will be completed, it will be completed (Inches from datum)* 13 16chanic. 1 Mechanic. Station. 1 depair or alteration der delegation of inches from a steration of inc	c. CLATIFIC A+E described Sivil Air Reg	component is installing agence in in. LOAD (Publish) 902 EATE NO. 116086

t See attached memorandum

Reinspected (Date)

(Date)
(Date)
(FA A degignation number)

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 DATE: 4 - 2 - 96

(Date)

Form FAA+837 (4-52)

INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft airframe, power-plant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the FAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

8. DESCRIPTION OF WORK ACCOMPLISHED,

Removed mark I amingator and instelled mark VI in some brackets - Installed 5640 Lei transmitter in radio panel

	weight	arm	monent
arrieft empty	1445.9	37.50	54191,75
	_ 7.0	10.00	-70,00
muk I	= 7.5 6.5	9.00	58.50
mark VI	2.6 tag	9.00	23,40
5640 Trummittee	1448.0		54203,65

54203.65 = 37.43 n.E.C.G.

1448.0

Total steady current drain discount exceed rated generator output

Nothing follows

^{*}Headditional space is pecific attach additional sheets bearing aircraft nationality and registration mark and date work completed.

FAA AIRCRAFT	REGIS	TRY		 	 	١.
CAMERA NO.	4	DATE:	4	 2	36:	
	····			 	 	j

<u>_ r</u>	2/4/x/								
	D DEDAID A	IND ALTERA		RAL AVIATION	AGENCY POWERPLANT.	DDADELLE		red, wat No. 41-R053.4.	
MAJU	K KEPAIK A	INU ALIENA	IIUN FURN			FNUFELLE		I	
I. AIRCRAFT	MAKE CO	esna		175	5607	2	N657	D REGISTRATION MARK	
	NAME (Fird, mi			·	ADDRESS (Films) and He				
2. OWNER	Cabl	e Flying	Bervice		13th & Upland	Benson			
3, COMPLET CORDAN	TE ONLY FO	R UNIT REPA	RED AND/O	R ALTERED, DI	BCRIBE WORK A	CCOMPLIBH	ED ON RE	VERSE IN AC-	
UNIT		MAK);		мснъį і.	SERIAL)	* 0.		WORK (Chrck) MAJOR ALTERATION	
. AIRFRAME	• • • • • • • • • • • • • • • • • • • •	•••••	An describ	ed in item I above)	d in item 1 above) 2000200000000000000000000000000000000			,	
i, powerplan	г								
c. PROPILLER							,		
d. APPLIANCE	TYPE A	ND MANUFACTURER				-	•		
		ND BALANCE nd/or alterations segra made.	caso e	of a spare compo	mpleted by repair onent, it will not be At this time, it will	completed u	ntil such co	mponent is in-	
CATEGOR	r	EMPTY WLIGHT	(Pounds)*	EMPTY C	MTEN OF GRAVITY (Inches	from dalum)*	USEP	IL LOAD (1 bunds)*	
Standa	rđ	1445.9	· ·	pl	as 3750 .		>	904.1	
		MENT (Complete	and check)	,					
M. AGENCY'S NA	ME AND ADDRESS			b. Kind of Adi	, 2		e. CERTIFICAT	i. HO.	
	3. R. W11o			1 1	ertificated Mechani Certificated Mech				
	1510 N.P				ated Repair Station		P143	1415	
	Interio,	Cal.		☐ Manuf	-				
				(Check if repair or alteration was made under delegation option procedures.)					
d I certify attachme	that the repa	ir and/or alterate been made in	tion made to	the unit(s) iden with the requirem to the best of my	tified under item 3 ents of Part 18 of t	above and d he U.B. Civi	escribed on l Air Regula	the reverse or tions and that	
	_				POW				
(Date re	7-13-62 pair and/or alterat	ion completed)			(Signature of	authorited indiv	idual)		
Pursuant	to the author		ow the unit i	omplete appropriate Her dontified in item	u) 3 was inspected in:	the manner p	proscribed b	y the Adminis-	
⊒ Af □ Ri ™&	EJECTED B	Y {	ght 🔲 R	lanufacturer mpair Station	☐ Canadian Depar Other (Specify)	I.A.	nsport Inspe	etor of Aircraft	
(Dat	7-13-62 n of approval or re	Jection)			fre by	vidual; title or i	ientification nu	S.C. U	
_		NLY BY FAA			, /			·	
	6 11 1	wring comment		attached memor	()	Quat Charte	AUG	24 1962	
□ Mccept	en Outlo	(linte)	[] Reinspect	(1)	ato)	Spot Checked	. ((Dale)	
G	ADO 1	18		-0	obst a	Bysical Bysica	145	I. V.	
•	- Mark to Established				/···	-//		I	

FAA AIRCRAFT REGISTRY CAMERA NO. 4 DATE: 4 - 2 86

INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, power-plant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed; the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the FAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

8. DESCRIPTION OF WORK ACCOMPLISHED.

24047 24024

AN - 3

626087

٠Đ.

- 262088 Gear - REM 40E Plugs - 9811271 Pucks - 9811269 Pucks

Engine and accessories overhauled this date
Engine disassembled, cleaned and inspected in accordance
with Manufactures instructions.
All steel parts magnafluxed, all alloy parts zyglowed.
A.D. 62-4-4 complied with.

NEW PARTS INSTALLED - 626146 plus .015 Pistons - 627330-Al plus .015 Ring set - 626165 Bushing - 626184 Bushing - 538616 Pin - 626943 Bearing - 10-885143 Bushing - M1217 Rotro case - M2007 Gasket Rotro case mag. 615-46 Gear Seal (0185JM) - 20087 Harness ferrell 12 - 532149 Ferrell 1 - A286-1035 Kit (1 - A666-651 Kit (Carb. A666-651 Kit (Car) 627372Al Casket set 35897 Bearing Carb.) - 626943-Al Bearing set 539241 Seal 629404 Valve

Guide Guide

Washers

Larran

Gear

1 - 626090 Cover 1 - 534885 Spring 1 - 1885029 Coil 1 - 1885030 Coil 2 - M1067 Block 2 - M1068 Plate 1 - 1867150 Seal 1 - 1910379 Seal Harness wire Spark plug terminals 2 - 1548A Breaker Assy. 1 - 626785 Name plate



the standard standard bearing sirror attenually and registration mark and date work completed

Check block if additional sheets are attached. ...

FORM FAA-887 (4-82)

		, h,	FEDERAL	AVIATION A	GENCY	T PROPFI			Ved. No. 41-ROSE.4. LIANCE)
	R REP	AIR AND ALTERATIO	N FORM (A		SERIAL H	0.7.	I INTINO	657.	Tr Martin b Land Land
. AIRCRAFT	maker /	Cocciio			LIDDRESS (STreet on	d number, city, p	one and Stat	a)	
. OWNER		Coble Elvin	Surv) co		13th & Upland,	Cal.			
COMPLE CORDAN	TE ONL	Y FOR UNIT REPAIRE	D AND/OR A	LTERED. DES	CRIBE WOR	C ACCOMPL	ISHED (ON RE	VERSE IN AC
UNIT		MAKE -		MODEL		HAL NO.	MAJOR		WORK (Chrck) MAJOR ALTERATIO
MOEDAME		***************************************	A (de described i	in Item I above) N	***************************************	*****			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
AIRFRAME									
, POWERPLAN						<u> </u>	-	-	
r. PROPELLER	<u> </u>								<u> </u>
, APPLIANCE	-	TYPE AND MANUFACTURER		•					However, in th
4. AIRCRA	FT WEI	GHT AND BALANCE DA	TA This ite	m must be con	inleted by rep	air or aitera	tion age:	ioy.	110,110.1
	describ	repairs und/or alterations of below were made.	ease of a stalled i if applic	a spare compon in an aircraft, cable.	At this time, i	t will be con	pleted b	y tho h	
CATIGO		емиту маюнт (25	case of s stalled i if applic ounds)"	n spare componin an aircraft, cable.	At this time, i	t will be con	pleted b	y tho h	
	ĦΥ		case of s stalled i if applic ounds)"	n spare componin an aircraft, cable.	At this time, i	t will be con	pleted b	y tho h	ENT FOYD (Lineage).
Stay?	ey Lard RMITY	EMITY WEIGHT (A) 1445	case of stalled in talled if applic	n apare componin an aircraft, able,	At this time, i	t will be con	iploted b	y tho h	FUL LOAD (Pubida)
Stand	RMITY	EMPTY WEIGHT (P. 1.445). STATEMENT (Complete one	case of stalled in talled if applic	B BERTY COMINON IN AN BITCHARL SABLE. EMPTY CEN EMPTY CEN B. KIND OF AGE	At this time, i	t will be con	npleted b	y the li	FUL LOAD (Pounds) OOA . I.
CATEGO Stoom 5. CONFO!	RMITY RAME AND	LANTY WEIGHT (A) LANTS STATEMENT (Complete one Address R. Highele	case of stalled in talled if applic	B. KIND OF AGE	At this time, in the of gravity (57 - 50 cy ertificated Mean Certificated Means are in the original of the original origi	t will be con lacks from datus chanic. Mechanic.	npleted b	y the li	FUL LOAD (Pubida)
EATEGO	RMITY RAME AND JUDICE 3432 6	EMPTY WEIGHT (P. 1.445). STATEMENT (Complete one	case of stalled in talled if applic	B. KIND OF AGE S. C.	At this time, in the of gravity (57 - 50 cy crtificated Meanaged Repair St	t will be con lacks from datus chanic. Mechanic.	npleted b	y the li	FUL LOAD (Pubade) OOA . I
EATEGO	RMITY RAME AND JUDICE 3432 6	STATEMENT (Complete one ADDRESS R. Hubbelo	case of stalled in talled if applic	B. KIND OF ACE	At this time, in the of gravity (57 - 50 cy crtificated Meanaged Repair St	t will be con lacks from datur chanic. dechanic. ation.	rpleted b	y the li	FUL LOAD (Pubade) OOA . I
5. CONFOI	RMITY AME AND JULIUS SALES SALES SALES TO THE SALES TO TH	STATEMENT (Complete one ADDRESS R. Hubbelo	cane of a stalled i if applic if applic canal).	b. KIND OF AGE L. Y. U. S. C. Torrigo Certific Manufa	At this time, in the control of the	chanic. Mechanic. ation. creation alters or alters or delegation ss.)	c. A	USE CERTIFICA	704.1 ATE NO. 386136
5. CONFORM. AGENCYS N d. I certify attachu the info	RMITY RAME AND JUDICE SAIS STREET	STATEMENT (Complete and Address R. Hubbele Marco, Cal.	cane of a stalled i if applic if applic canal).	b. KIND OF AGE L. Y. U. S. C. Torrigo Certific Manufa	At this time, in the control of the	chanic. Mechanic. ation. creation alters or alters or delegation ss.)	c. A tion op- and desc, Civil A	CERTIFICATE TO THE PROPERTY OF	704.1 ATE NO. 386136

☐ See attached memorandum

__ [] Reinspected __

CADO 18
(FAX designation number)

リーハラー(Control of rejection)

EN Accepted 11-20-63

7. TO BE COMPLETED ONLY BY FAA PERSONNEL

FAA AIRCRAFT REGISTRY CAMERA NO. ____ DAT

DATE: 4 - 2 - 86

Same PAA

Furni FAA-887 (4-)

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 DATE: 4 2 86

INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, power-plant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the FAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

8. DESCRIPTION OF WORK ACCOMPLISHED.

Installed Richter Carburgtor Air Temp. Cage & B-5 probe (STO " SEI-201) as per kit instructions.

Revised equipment list, computed new weight and balance

Aircraft
Carp. Air Temp. Kit

Weight	Arm	Economic	54,183.75
100	8	6.00	
145.9	54,191.75		

55,191.75 div. by 1445.9 equals now E.W.C.G. 37.50

Alkheitz effy, ekt A

Property of All

"If additional space is needed attach additional sheets hearing alread nationality and registration mark and date work complaind.

Check block if additional sheets are attached.

Form FAA-837 (4-82)

				ng nazisti di penggan panggan edir kg	Territoria de la composição de la compos
				5	
MAĴOR I	REPAIR AND ALTERATI	U. S. DEPARTMENT OF CO CIVIL AERONAUTICS ADMINI ON FORM (AIRFRAME, PO	STRATION		resu No. 41-1052.
	COSSNA	Model	SERIAL NO. 56078 ADDRESS (Street and number, city, 1	NATIONALITY AN	ID REGISTRATION MA
z. OWNER	ME (First, middle, tout)		ADDRESS (Street and number, clip, to 2845 N. Hol 2845 N. Hol BURBIANK	ione and State) Lywood CALIS	way:
3, COMPLETE CORDANCE	ONLY FOR UNIT REPAIR WITH CIVIL AERONAUTIC	ED AND/OR ALTERED, DESC IS MANUAL 18.	CRIBE WORK ACCOMPL	ISHED ON RE	VERSE IN AC
· UNIT	MAKE	MODIL	. SERIAL NO.	NATURE OF	WORK (Check) MAJOR ALTERATIO
a. AIRFRAME	***************************************	A (de described in item I show) \$80			XX
i. POWERPLANT		The alteration identified here	cla complies with		
r. PROPELLER	,	applicable disvortimess requiperiored only for the above subject to conformity inspec	discribed aircraft,	,	
	TYPE AND MANUFACTURER	authorized in CAR 18.11(b)	7 Arch		
PPLIANCE			pleted by repair or alterat	ion agency. 1	lowover, in the
4, AIRCRAFT V	VEIGHT AND BALANCE DA the reputs and/or afterations ribed below were made.	more of a sessen commonat	at, it will not be complete t this time, it will be com	pleted by the in	stalling agency
4, AIRCRAFT V	the repairs and/or alterations	case of a spare componer stalled in an aircraft. A if applicable.	at it will not be complete	pleted by the in	stalling agency

Joseph J. KAPPA, JR Foreign Certificated Mechanic. 165,5 Superior st Certificated Repair Station. ☐ Manufacturer. SepakredA, Cookis. (Check if repair or alteration was made under-delegation op-tion procedures.) d. I certify that the repair and/or alteration made to the unit(s) identified under item 3 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 18 of the U. S. Civil Air Regulations and that the information furnished herein is true and correct to the best of my knowledge. //- /4-59 (Date repair and/or alteration completed) 6. APPROVAL FOR RETURN TO SERVICE (Check and complete appropriate Hama) Pursuant to the authority specified below the unit identified in item 3 was inspected in the manner prescribed by the Administrator and is MAPPROVED BY { CAA Designee | Manufacturer | Canadian Department of Transport Inspector of Aircraft | Canadian Department | Canadian (Date of approval or rejection) 7, TO BE COMPLETED ONLY BY CAA PERSONNEL See attached memorandum

Reinspected 16-30-59

(Date) " [] Forwarded for engineering comment Spot Checked. I. ☐ Accepted _____ Reg. 4 LA GSDO 13 -

16-54010-4

Pm 1-13-60 =

Form ACA-837 (4-52)

M C

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 DATE: 4 - 2 - 86

INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, power-plant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the CAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

8. DESCRIPTION OF WORK ACCOMPLISHED.

INSTAILED VACUAM System AND GYROS (Direction of HORIZON)
INSTAILED TWO 4" VENTURE, S ON Right Side,
All WORK ACCOMPLISHED IN ACCORDANCE WITH CHMIS
Weight AND BALANCE COMPUTED

Direction & Horizon Gyro's Installed in PANEL
AND HOLES IN PANEL WERE Provided by MANA froture-,
KND

"If additional space is needed attach additional sheets bearing airwaft nationality and registration mark and date work completed,

Cluck block if additional sheets are attached.

severament resurring mysch 18-84010

FAA AIRCRAFT	REGISTRY		
CAMERA NO.	4 DATE:	4-2-86	

						Form appro	ived.	
> >			CIVIL AERON	TMENT OF COM	RATION	Budget Bu	reau No. 41-R052.4.	
MAJOR R	REPAIR	AND ALTERATION	ON FORM (A	IRFRAME, POV	/ERPLANT, PROPEL	LER OR APP	'LIANCE)	
, AIRCRAFT			GOM	·	SERIAL NO.	1 .	ID REGISTRATION MARK	
		Cessna midile, last)		175 ADD	RESS (Street and number, city, 2		572	
. OWNER	ML (FIIF)	· ·			2945 %. Hollywo	od Vay		
	Sky	Pomers, Inc.			Burbank, Califo	rnia		
COMPLETE	ONLY	FOR UNIT REPAIRE	ED AND/OR AL S MANUAL 18.	TERED, DESCR	IBE WORK ACCOMPL	ISHED ON RE	VERSE IN AC-	
UNIT	, MAKE			IOPIL	SERIAL NO.	NATURE OF	WORK (Chrck) MAJOR ALTERATION	
				Janus Laborat Adda	***********		XXX	
. AIRFRAME	**					ni recent hin		
. POWERPLANT	The d	ata identified	dunlicati	epries with	the applicable cal mireraft :18	ke and mod	el and	
	alter	ed configurati	on when so	complished b	y the original	modifier.		
, PROPELLER		<u> </u>	<u> </u>				 	
t, arpliance	TYE	E AND MANUFACTURER		e espera	. \			
			<u> </u>		v	ion aganay 1	lowever, in the	
*AFTER	the reve	T AND BALANCE DA irs and/or alterations dose were made.		spare component, an aircraft. At t	ted by repair or alterat it will not be complet his time, it will be com		omponent is in-	
CATEGORY		EMPTY WEIGHT (Pa			OF GRAVITY (Inches from datum	n)* USEI	UL LOAD (Pounds)*	
Standard		1433.9	4	37-41			916.1	
CONFORM	TY STA	TEMENT (Complete one	l check)					
. AGENCY'S NAME				6. KIND OF AGENCY			e. CERTIFICATE NO.	
				U.S. Certificated Mechanic.			e Class 3	
THE Air-Oasis CO.				☐ Foreign Certificated Mechanic. ② Certificated Repair Station. Approved C. A. A. Rep. Sta.				
	Cess	na Distributor		☐ Manufacturer.			No. 4082	
Central and Southern California LONG BLACH				Ch (Ch	eck if repair or alterat made under delegation	tion op-		
•	_			tion	procedures.)			
		repair and/or alterati have been made in a mished herein is true			under item 3 above a of Part 18 of the U.S.	nd described of Civil Air Regu	n the reverse or lations and that	
					A //	_ /		
T.,	0.30	350		J 6 1	O. Neur	my D	MIK	
June 1	9, 19	353 Regation completed)		<u> </u>	(Bignature of authorize	Lindivious)	///K	
(Date reput	FOR F	Resistion completed)	E (Check and complete the unit iden	ete appropriate ttema) tiffed in item 3 wi	(Signature of authorized		by the Adminis-	
(Date reput 6. APPROVAL Pursuant to trator and is	FOR F the au	Reration completed) RETURN TO SERVIC thority specified below	* the unit iden	tified in item 3 w		nner prescribed	`	
(Date repair 5. APPROVAL Pursuant to	FOR F the au	RETURN TO SERVIC thority specified below BY BY CAA Dec. CAA Av	r the unit iden signee Ma istion Rej	nufacturer	as inspected in the man	nner prescribed	`	
(Date reput 5. APPROVAL Pursuant to trator and is	FOR F the au	Reration completed) RETURN TO SERVIC thority specified below	r the unit iden signee Ma istion Rej	nufacturer	as inspected in the man	nner prescribed	`	
(Date repair 5. APPROVAL Pursuant to trator and in	FOR FOR FOR THE STATE OF THE ST	RETURN TO SERVIC (thority specified below BY CAA Deep CAA Avery Safety A	r the unit iden signee Ma istion Rej	tified in item 3 winufacturer	Enadian Department of the Control of	nner prescribed	pector of Aircraft	
(Date repair 5. APPROVAL Pursuant to trator and is \$\begin{align*} APP & REJ & JUNO & J (Date of the content	rand/or a FOR B the au ROVED ECTED (A) Tapproval	Retation completed) RETURN TO SERVIC thority specified below BY CAA Deep CAA Av Safety A	r the unit iden signee □ Ma iation □ Rep gent	tified in item 3 winufacturer	as inspected in the man	nner prescribed	pector of Aircraft	
(Date repair 5. APPROVAL Pursuant to trator and is \$\begin{align*} \text{APP} & \text{REJ} & \text{TIME} & \text{I} \text{United} & \text{United} & \text{United} & \text{TIME} & \text{IIII.} (Date of 7. TO BE COM	rand/or a FOR R the aut FOVED	Herstion completed) RETURN TO SERVIC (thority specified below properties) BY CAA Decrease CAA Av Safety A. (257) To rejection)	r the unit iden signee □ Ma iation □ Regent ERSONNEL	nufacturer	Canadian Department of Other (Specify)	nner prescribed	pector of Aircraft	
(Date repair 6. APPROVAL Pursuant to trator and is K APP REJ June 1 (Date of 7. TO BE COM 6. [] Forwarde	rand/or a FOR R the aut ROVED EGTED 19, 19 Lapproval MPLETE	Retation completed) RETURN TO SERVIC thority specified below BY CAA Dec CAA Av Safety A. 257 To rejection) ED ONLY BY CAA Pingineering comment	r the unit iden signee Ma iation Regent ERSONNEL	itified in item 3 w. snufacturer pair Station (8ignate	Canadian Department of Other (Specify)	Transport Ins	pector of Aircraft	
(Date repair 6. APPROVAL Pursuant to trator and is KAPP REJ June June 7. TO BE COM 6. Porwards	rand/or a FOR R the aut ROVED EGTED 19, 19 Lapproval MPLETE	Retation completed) RETURN TO SERVIC thority specified below BY CAA Dec CAA Av Safety A. 257 To rejection) ED ONLY BY CAA Pingineering comment	r the unit iden signee □ Ma iation □ Regent ERSONNEL	nufacturer	Enadian Department of Other (Specify) The Authorised individual; the	Transport Ins	pector of Aircraft	
(Date repair 6. APPROVAL Pursuant to trator and is K APP REJ June June 7. TO BE COM	rand/or a FOR R the aut ROVED EGTED 19, 19 Lapproval MPLETE	Retation completed) RETURN TO SERVIC (thority specified below Service) BY CAA Deep CAA Avenue Safety Appendix	r the unit iden signee Ma iation Regent ERSONNEL	itified in item 3 w. snufacturer pair Station (8ignate	Enadian Department of Other (Specify) The Authorised individual; the	Transport Ins	pector of Aircraft	

6-18-9

FAA AIRCRAFT REGISTRY
CAMERA NO. 4 DATE: 4 - 2 - 86

INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, powerplant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the CAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

8. DESCRIPTION OF WORK ACCOMPLISHED.

Installed Notating Beacon per Air Casis Supplemental Type Certificate SAL-306, drawing # A. O. 172/175.
Install Marco Mark II canigator, power supply mounted on firewall, tuner mounted in instrument panel in factory installed mounting brackets.

Airplane	1/1/1.5	37.5	53243
Harco Mark II (mnigator Fower Supply Tuner	6.9 7	o 10	0 70
Rotating Beacon	1.5	220	330
e.	1433.9		53643.0

U. S. SOVERBERST PRINTING SPFICE 18-84010-

[&]quot;If additional space is needed attach additional sheets bearing aircraft nationality and registration mark and date work completed.