C.
US Department
of Transportation
Federal Aviation
Administration

OMB No. 2120-0020 Exp: 5/31/2018	Electronic Tracking Number
F	or FAA Use Only

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US Departme of Transporta Federal Avia	ition	(Airframe	, Powerplant	. Pro	pel	ler. or Ani	liance)				For FAA Use Only
Administrati			•	,,		, o	manocy				
INSTRUC	TIONS: Pri	nt or type all e	ntries. See Title	14 CI	FR	§43.9. Part	13 Annendia	· R	and AC 43	2 0 1 (or a)	bsequent revision thereof)
such viola	tion. (49 U.	S.C. §46301(a)	)	s requi	ired	by law (49 L	.u.c. 94470	) i ).	ranure to r	eport can r	bsequent revision thereof) esult in a civil penalty for e
	Nationa N5022	lity and Registra	ation Mark				Serial N	0. 7	7-143		
1. Aircraft	Make		<del></del>		—		Model		1-143		
		Stinson						/-7	77		Series
	Name (A	As shown on reg	gistration certificat	te)			Address	(As	shown on I	registration	certificate)
. Owner	wner Hanus, David, S				Address 2715 Haistead L			Haistead Lane	Lane		
							-	Moun 55364		Coun	State MN
					3. 1	For FAA Use			-	Codi	try USA
4. Ty <sub>l</sub>	oe	T			5. L	Init Identifica	tion		····		
Repair	Alteration	Unit		Mak		The Identified			Model		
	(C)	AIRFRAME	Stinson				(An ele-				Serial No.
	X	AUTONIL					(AS desi	cribe 	d in Item 1	above)	77-143
		POWERPLAN	Т								
		PROPELLER									
			Туре								
		APPLIANCE	Manufacturer							ĺ	
_			ivaliacia;								
				6. C	Con	formity Stat	ement				
	ame and Ac	ldress				ind of Agency	·				
e David S 2715 Halste				×	×	U. S. Certifica	~			Manut	acturer
Mound			State MN	_  -	+	Foreign Certificated Re		nic		C. Certific	ate No.
55364	Cour					Certificated M	aintenance Or	ganiz	ation		2676877
<ul> <li>I certify that have been furnished</li> </ul>	hat the repa en made in a d herein is tr	ir and/or alterat accordance with	ion made to the u the requirements to the best of my	init(s) io	iden	tified in item 3 of the U.S.	above and Federal Avia	des ation	cribed on the Regulation	ne reverse	
ended rang			ature/Date of Auti	KIIOWIG	Juye	· .					
14 CFR Pa . B				7		2	na paragram				
				<u> </u>	1	·					
rsuant to Iministrator	the author of the Fede	ity given perso eral Aviation Adr	ons specified be ministration and is	ال بدول	he		o Service d in item 5 Approved	5 wa	s inspecte	d in the	manner prescribed by the
	Flt. Standa ector	rds Man	ufacturer	М	/ain	tenance Orga			Person	s Approved I ment of Tran	oy Canadian sport
	Designee		air Station	` \	_	ection Author	zation	C	Other (Speci		
ficate or gnation No.		l l	ture/Date of Auth	orizéd	Inet	ivid)al		/	1		
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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.

<ol> <li>Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nation.</li> </ol>	ality and registration mark ar	nd date work completed.)
	N50227	MAY 01-2018  Date
	Nationality and Registration M	
Installed a Garmin SL-40 VHF Comm radio. P/N 430-6 station 50.0 using supplied tray and hardware.		
Installation was done IAW Garmin installation manual 1-2, 11-31, 11-32, 11-36, 11-136, 11-137, 11-187, a	ng AC43.13-26 CII	apters rand o.
The power input to the SL-40 is protected by a Klixon located in the instrument sub panel. The power is supp	7277-2-5 circuit bre blied by the avionic	eaker labeled "SL-40" s bus.
A Commant C-121 Comm antenna was installed on th connected to the SL-40 by RG-400 cable.	e top of the aircraft	at station 80.0 and
The SL-40 was connected to the existing Garmin GM/	4 340 audio panel a	and is designated
Total continuous electrical load does not exceed 80%		
Post installation tests were performed to show proper aircraft systems.	operation and no i	nterference with any other
The aircraft equipment list was revised.		
See revised weight and balance report dated May 01	-2018.	
END	)	
<b> </b>		
Additional Shee	ets Are Attached	

#### UNITED STATES OF AMERICA

#### DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION

# · STANDARD AIRWORTHINESS CERTIFICATE

2 MANUFACTURER AND ME NATIONALITY AND AIRCRAFT SERIAL 4. CATEGORY NUMBER REGISTRATION MARKS STINSON CONSOLATED VULTEE 773-143 N50227 NORMAL 5. AUTHORITY AND BASIS FOR ISSUANCE This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness/code/as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein. **Exceptions:** NONE 6. TERMS AND CONDITIONS Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Rart 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States. FAA REARESENDAT DESIGNATION NUMBER DATE OF ISSUANCE "R"7-30-56 Thompson MSP FSDO GL15 Scot E.

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

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DEPAITMENT OF COMMENCE CIVIL AERONAUTICS ADMINISTRATION

# CERTIFICATE OF AIRWORTHINESS

- I. HATIOIALITY AND MODISTRATION MANNE
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- This Centificate of Airworthiness is issued pursuant to the Civil Aeronautics Act of 1938 as amonded. The alterath Identified hereon is considered airworthy when maintained and operation ared in accordance with the Civil Air Regulations and applicable aircraft Operation Limita-
- UNALESS EXPLER SEMPLEMENTED CONTRIBUTED, ON A TERMINATION DATE IS OTHERWISE CONTRIBUTION OF THE GNU AFFORMING WORD THE WITHOUT WILL SHITTE

THE ACCORDANCE WITH CIVIL AIR RECHIATIONS PART 45.

- Megina 1.4
- 8. Any effection of milities of this Certificate is punishable by a fine of not exceeding \$1,000 or imprisonment not exceeding 3 years, or both

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# AVS Quality Management System

QPM# AFS-AGL-MSP-F024

Date: May 29, 2009

Revision

0

Page 1 of 1

Title: Request for Replacement Airworthiness Certificate

Signature

David S Hanus. 2715 Halstead Lane. Mound. MN. 55364

Print name Address

Certify that I am the owner of:

N 50227 Make Stinson Model V-77

S/N 77-143 , and hereby request a replacement airworthiness certificate.

The replacement certificate is requested because: Old certificate is on an obsolete form.

#### Replacement

- (1) The FAA may issue a replacement airworthiness certificate when a certificate is declared lost, has been mutilated, or is no longer legible. The replacement airworthiness certificate shall carry the original issue date of the certificate being replaced, preceded by a capital "R" in the date block of the certificate. Additionally, replacement certificates will be issued when the aircraft registration number has been changed. In this case a new application for airworthiness certification is not required.
- (2) Request for a replacement certificate will be made by a certified statement from the registered owner or certificate operator to the applicable certification office. The certifying statement should include the registration (N) number, serial, and make/model of the aircraft. Replacement of airworthiness certificates shall not be accomplished by verbal agreement with the assigned inspectors or through procedures contained in air carrier's manuals that allow the continued operation of an aircraft without an airworthiness certificate. Such actions are contrary to  $\delta\delta$  91.203 121.153(a)(1), and CFR part 135, Operating Requirements: Commuter and On Demand Operations (part 135),  $\delta$  135.25(a).
- (3) A replacement airworthiness certificate may be issued without supporting documentation from AFS-750 if the date of issuance and the airworthiness classification and/or category of the lost or mutilated certificate can be positively established form the aircraft records, or from the remains of the certificate, the FAA inspector will request copies of the appropriate data (such as the application form or previously issued airworthiness certificate) from AFS-750
- (4) Before issuing a replacement certificate, the FAA shall review the aircraft records, and if necessary, inspect the aircraft to ensure the applicant's request is justified, and the aircraft is eligible for the airworthiness certificate requested.
- (5) A copy of the replacement certificate must be forwarded to AFS-750.

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US Department
of Transportation
Federal Aviation
Administration

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

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

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a)) Nationality and Registration Mark Serial No. **USA** N50227 77143 1. Aircraft Make Model Series Stinson Vultee V-77 Name (As shown on registration certificate) Address (As shown on registration certificate) Address 2715 Halstead Ln Hanus, David S 2. Owner State MN Mound 55364-9404 USA Country 3. For FAA Use Only 5. Unit Identification 4. Type Alteration Repair Unit Make Model Serial No. (As described in Item 1 above) AIRFRAME  $\checkmark$ **POWERPLANT PROPELLER** Гуре APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U. S. Certificated Mechanic Manufacturer Wipaire, Inc. Address 1700 Henry Ave Foreign Certificated Mechanic C. Certificate No. City State MN Certificated Repair Station South Saint Paul USA Certificated Maintenance Organization RJWR390K D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 11-3-2017 App. B 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ✓ Approved Rejected FAA Fit. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Department of Transport inspector ΒY Other (Specify) Inspection Authorization **FAA Designee** Repair Station Certificate or Signature/Date of Authorized Individual Designation No. 11-3-2017

RJWR390K

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.

(If more space is required, attach additional sheets. Identify with aircraft nation	nality and reg	istration mark and date	work completed.)
	USA	N50227	11-3-2017
	Nationality a	and Registration Mark	Date
Removed a Garmin GTX-327 transponder.			
Installed a Garmin GTX-335 Mode S Transponder with ADS-B 0 manual, P/N 190-00734-10, Rev 8, and STC# SA01714WI. The Approved Model List. STC# SA01714WI is the basis for this folloated March 2, 2016.	Stinson V	ultee V-77 is not in	cluded in the STC
The installed ADS-B OUT system was shown to meet the equip 91.227.	ment perfo	rmance requireme	ents of 14 CFR section
The GTX-335 was mounted in the radio panel using the supplie	d mounting	tray and hardware	е.
The power input for the GTX-335 is protected by a Klixon 7277-instrument sub panel. Power is supplied by the avionics bus.	2-3 circuit	breaker labeled "G	TX 335" located in the
This system was installed in accordance with the manufacturer's 11-31, 11-32, 11-36, 11-136, 11-187, and AC 43.13-2B, chapte	s installations and 3	on manuals, AC 43	.13-1B, paragraphs 11-2,
Post-installation ground tests were performed in accordance wit Rev. 5. The system operated normally.	th the GTX	-335 installation ma	anual, P/N 190-00734-11,
The FAA Approved Airplane Flight Manual Supplement, P/N 19 Manual.	0-00734-1	5, Rev 2, was inser	ted into the Airplane Flight
The Garmin GTX Pilot's Guide, P/N 190-01499-00, Rev. C, was	placed in	the aircraft.	
The total continuous electrical load does not exceed 80% of the	total alter	nator capacity.	
Refer to Garmin Document Number 190-00734-11, Rev 5, for in	nstructions	for continued airw	orthiness.
The aircraft weight & balance, equipment list and logs were revi	sed.		
END			
		••	
	•		
Additional Sheet	s Are Attache	d	

US Department
of Transportation
Federal Aviation
Administration

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

US Depar of Transpo Federal A Administr	ortation viation			owerplant, f					1			For FAA Use Only
instruct	UCTIONS: Printions and disposolation. (49 U.S	sition of thi	s form.	es. See Title 14 This report is re	Fequir	R §- ed t	43.9, Part 43 by law (49 U.S	Append S.C. §44	lix B, and 701). Fail	AC 43.9- ure to repo	1 (or su ort can re	bsequent revision thereof) for esult in a civil penalty for each
	Nationali	ty and Reg	istratio	n Mark				Serial	No.	•		
4 4:	" N50227	7						77-1	43		_	
1. Aircra	Make							Mode				Series
	Stinson	1						V-7	77		ļ	77
	Name (A	s shown o	n regist	ration certificate,	)			Addre	ss (As sh	own on reg	gistration	certificate)
2. Owner	.								\$ <u>409.20</u>			
								City	Brookii	ngs		State <u>SD</u>
	Bailey,	James F	<u>1</u>				For FAA Use	Zip	<u>57006</u>		Cou	ntry
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4.	. Туре					5. l	Unit Identifica	ation				
Repair	Repair Alteration Unit Make Model Serial No.							Serial No.				
	AIRFRAME (As described in Item 1 above)											
	D POWERPLANT											
☐ PROPELLER												
	APPLIANCE Manufacturer											
					6	_	onformity Sta			- <u>-</u> -		
	y's Name and A					B.	Kind of Agend	<del>-</del>				
Name     William R. Ebbinga     ✓     U. S. Certificated Mechanic       Address     58071 Richland Rd.     Foreign Certificated Mechanic     C.							Manufacturer C. Certificate No.					
	riswold	Nu.		State [A		Н	Certificated F				C. Certi	iticate No.
	FOF	ountry		(		Н	Certificated I			ration	00182	0507
D. I ce	ertify that the rep	pair and/or n accordan	ce with orrect t	the requirement to the best of my	ts of knov	Part vled	entified in iten : 43 of the U.S Ige.	ı 5 abov	e and des	cribed on t	he rever	se or attachments hereto nat the information
Extended range fuel per 14 CFR Part 43 App. B  Signature/Date of Authorized Individual  William R. Ebbinga June 27, 2010												
							al for Return					
				ons specified be ministration and		, the	e unit identif	ied in it ✓ Appro		as inspect Rejecte		ne manner prescribed by the
вү —	FAA Fit. Standinspector	dards	Man	ufacturer		M	aintenance Oi	ganizati		Depar	tment of	ved by Canadian Transport
	FAA Designe	е	Rep	air Station	✓	In	spection Auth	orization	[	Other (Spec	cify)	
Certificate Designati			Signa	ature/Date of Au	thoriz	zed	Individual	0	A	8/	16	
001828	William R. Ebbinga Huly 10, 2010											

FAA Form 337 (10-06)

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 natio	nality and registration mark and dat	te work completed.)
	N50227	June 27, 2010
	Nationality and Registration Mark	Date
1. Introduction: Installed Brackett Aero filter for the engine indu 77-52012.	ction filter in place of the orig	ginal Airmaze filter P/N
2. Description: Remove original air filter and install Brackett Ae BA-169	ro filter in accordance with k	it rework instructions part
3. Control: N/A		
4. Servicing information: in accordance with the I-194 docume	eren kas been folmd to colply with a ko is hereby approved for use only gri unfurmity inspection by a person authoru	ANEROPPHICESS PECULIARMENTS AN
5. Maintenance Instructions: in accordance with the I-194 docu		
6. Trouble shooting information: in accordance with the I-194 d		APPROVAL DA INPESTOR
7. Removal and replacement information: in accordance with the	ne I-194 document	
8. Diagrams: N/A		
9. Special inspection requirements: N/A		
10. Application of protective treatments: N/A.		
11. Data: Kit part no. BA-169.		
12. List of special tools: None required.		
13. For commuter category aircraft: N/A.		
14. Recommended overhaul periods: N/A		
15. Airworthiness Limitation Section: in accordance with the I-1	94 document	
16. Revision: Any revisions to this FAA form 337/field approval	must be accepted by the FA	AA.
Attached: Brackett Aero Filters, Inc. kit instructions BA-169 and	Brackett Aero Filters, Inc. a	ir filter document I-194.
Attached: Brackett Aero Filters, Inc. kit instructions BA-169 and	Brackett Aero Filters, Inc. a	ir filter document I-194.



# BRACKETT AERO FILTERS



#### FILTER REWORK KIT INSTRUCTIONS

KIT PART NO. BA-169

AIRCRAFT MODELS: APPROVAL:

STINSON V-77; FILTER No. 77-52012 FAA FIELD APPROVAL REQUIRED.

Your new polyurethane air filter element has been designed to provide maximum dust collecting efficiency, good air flow, lightweight and economical replacement. The element has been treated with a special treatment called a wetted agent and is approximately 98% efficient. The special wetted agent is the secret to the efficiency of capturing dust and repelling water. The element has also been treated with a fire retardant. For the above reasons, replace the element each 200 hours of use or every 12 months or when 50% covered with foreign material. DO NOT WASH AND REUSE.

#### KIT CONTENTS

	TITITO TO TO TO TO THE TOTAL TOTAL TO THE TO		
LEA	BA-169-3 DECAL	1 EA	I-194 CONTINUED AIR
			SSOS CROSS I HANNING
6 EA	ATS2-832 NUTCERTS(Opt:MS21059L08K)	3 EA	99836 CROSS PIN-Airloc
		4 D IX	OZO SALETT WIKE
A/R	3M #2216 ADHESIVE OR EQUIVALENT	Δ/R	.020 SAFETY WIRE
. ~		O Li i	MASON-O-OLT LID SCKEMS
1 EA	169-1 GRILL	6 FA	AN500-8-6 FL HD SCREWS
		1 1-2 1	DIT TOYL DELIVINITY
I EA	12 3/8 X 7.7/8 #4 MESH SS SCREEN	1 EA	BA-169E ELEMENT
4 77 4	4.5.40.00.00.00.00.00.00.00.00.00.00.00.00.		

#### REWORK INSTRUCTIONS

- Step 1. Remove existing filter media (screen w/ flock) from Airmaze filter No. 77-52012.
- Step 2. Clean airfilter frame, inspect, and correct any abnormalities prior to refinishing.
- Step 3. Bond screen #4 mesh into frame upstream face (common to the airlocks on the filter frame), use 3M #2216 or equivalent. Follow adhesive manufacturing instructions. (Slight bending and restraightening of the screen is necessary for installation into the frame)
- Step 4. Center grill and back mark nutcert locations. Drill .250 dia. hole and install nutcerts p/n ATS2-832.
- Step 5. Install service decal p/n BA-169-3 on inside of filter frame surface.
- Step 6. A) Install polyurethane element BA-169E with the dense foam stenciled "Engine Side" towards the removable grill.
  - B) Install screws AN500-8-6 with safety wire.
  - C) Reinstall filter frame to scoop and complete installation as original.

Step 7. Complete and submit 337 field approval form.

Servicing: Under normal conditions, replace filter element, PN BA-169E, after 200 hours use or one year intervals. Under severely dusty conditions, check daily and replace when element is 50% covered with foreign material.

For continued airworthiness reference Form I-194.

Instruction Sheet Part No. BA-169-3 Rev. Date: 5-16-09

Brackett Aero Filters., Inc. Kingman, AZ 86401 

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### BRACKETT AIR FILTER DOCUMENT I-194



CONTINUED AIRWORTHINESS INSPECTION REQUIREMENTS AS PER FAR 23.1529 AND GENERAL PROCEDURES OF PART 43

INSPECTION INTERVALS: Pre-flight inspections, engine backfire inspection, 100 hour inspections, annual inspections, filter element replacements.

#### INSPECTION PROCEDURES

- A. Pre-flight inspection: Per Pilots Operating Handbook, check filter assembly for security, damage or 50% contamination of element face. If found report to maintenance personnel prior to flight.
- B. Engine start-up backfire inspection: Prior to flight, check the entire intake system for security or damage. If a fire was present, the downstream face of the foam element will show erosion. If any irregularities are found see Chart I and also refer to the Aircraft Maintenance Manual for the intake system.
- C. At element replacement intervals: With the element removed, inspect the filter grill, filter frame, filter mountings and entire intake system for security, wear and any deformation. Note: On filter assemblies with gaskets, visually inspect inside and outside of frame for any signs of gasket looseness, movement or deterioration. If found refer to Chart I or the proper maintenance manual for your aircraft or component.

PART	AED.	INSTRUCTIONS
FRAME	Х	COMPLETE NEW ASSEMBLY
GASKET	X	ON FILTER FRAME, REMOVE OLD NEOPRENE GASKET AND ALL TRACES OF ADHESIVE DOWN TO A CLEAN ANODIZED FRAME SURFACE.  USE ADHESIVE 3M#847 OR DOW CORNING RTV-732. COAT ENTIRE MATING SURFACE (GASKET TO FRAME). APPLY ADHESIVE FOLLOWING MANUFACTURER'S LABEL DIRECTIONS. WHEN FRAME AND GASKET ARE PLACED TOGETHER, CLAMP OR WEIGHT DOWN AT .75 LB./SQ. IN. OF CONTACT AREA. ALLOW TO CURE 24 HOURS PRIOR TO INSTALLATION.  PRIOR TO REINSTALLATION OF FILTER, CHECK AIRBOX MATING SURFACE FOR IRREGULARITIES. IF FOUND, CORRECT PER MANUFACTURER'S REQUIREMENTS. UPON REINSTALLATION CHECK THAT THE GASKET MAKES 100% CONTACT. THE GASKET SHOULD BE COMPRESSED 50% FOR OPTIMUM SEAL.
GRILL	X	REPLACE WITH NEW GRILL
HARDWARE	Х	REPLACE UNSERVICEABLE WITH NEW
SCREEN	X	COMPLETE NEW ASSEMBLY
SCREEN/GASKET	X	COMPLETE NEW ASSEMBLY ( ASSEMBLIES USING SCREEN GASKETS ) PRE 1981; BA-4106, BA-5110 AND BA-8110. )
ELEMENT	X	REPLACE ELEMENT

DATE: 3-16-94

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US Department
of Transportation
Federal Aviatio

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FAA Form 337 (10-06)

Form Approved OMB No. 2120-0020 2/28/2011	Electronic Tracking Number				
For FAA Use Only					

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance) INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a)) Nationality and Registration Mark Serial No. N50227 77-143 1. Aircraft Make Model Series Stinson V~フフ 77 Name (As shown on registration certificate) Address (As shown on registration certificate) Address 409 20th Ave 2. Owner **Brookings** State SD Bailey, James H. <u>57006</u> Country 3. For FAA Use Only THE TECHNICAL DATA IDENTIFIED HEREIN HAS BEEN FOUND TO COMPLY WITH APPLICABLE AIRWORTHINESS REQUIREMENTS AND IS HEREBY APPROVED FOR USE ONLY ON THE ABOVE DESCRIBED AIRCRAST, SUBJECT TO CONFORMITY INSPECTION BY A PERSON AUTHORIZED IN §42.7. JUL 0 1 2010 RAP FS00 DISTRICT OFFICE 4. Type 5. Unit Identification Alteration Repair Unit Make Model Serial No. (As described in Item 1 above)  $\checkmark$ AIRFRAME **POWERPLANT** PROPELLER Type **APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U. S. Certificated Mechanic William R. Ebbinga Manufacturer Address 58071 Richland Rd. Foreign Certificated Mechanic C. Certificate No. City State 🔼 Griswold Certificated Repair Station 51535 Zip Country Certificated Maintenance Organization 001828527 D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. Signature/Date of Authorized Indiv Extended range fuel per 14 CFR Part 43 App. B William R. 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 5 inspected in the manner prescribed by the was Administrator of the Federal Aviation Administration and is ✓ Approved Rejected FAA Flt. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Inspector Department of Transport BY Other (Specify) FAA Designee Inspection Authorization Repair Station Certificate or Signature/Date of Authorized Individual Designation No. William R. Ebbinga

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	3.	Descri	ption c	of Work	Accom	plished
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(If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work completed.)

N50227

June 27, 2010

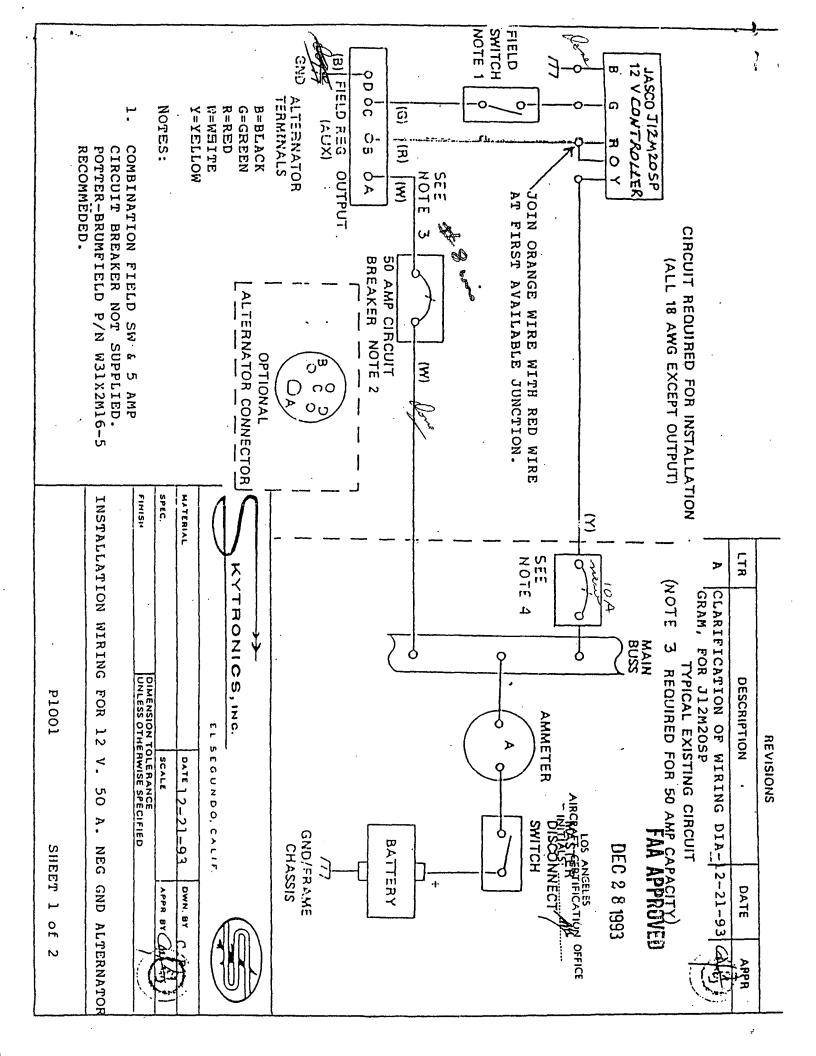
Nationality and Registration Mark

Date

- 1. Introduction: Install an alternator system in place of the original generator system.
- 2. Description: Removed the original equipment Eclipse Generator and voltage regulator from the Lycoming R-680-13 engine. Installed a JASCO alternator model 6565T and JASCO voltage regulator model J12M20 in accordance with a follow along approval to STC SA1809SW. Electrical wiring completed in accordance with wiring diagram Skytronics, Inc. P1001.
- 3. Control: No change to control of the alternator system.
- 5. Maintenance Instructions: See Skytronics, Inc. 6555-14kiteinstructions.
- 6. Trouble shooting information: See Skytronics, Inc. 6555-1 kit instructions.
- 7. Removal and replacement information: See Skytronics, Inc. 6555-1 kit instructions.
- 8. Diagrams: Wiring diagram Skytronics, Inc. P1001.
- 9. Special inspection requirements: See Skytronics, Inc. 6555-1 kit instructions.
- 10. Application of protective treatments: N/A.
- 11. Data: Reference Skytronics, Inc. Top Installation Drawings.
- 12. List of special tools: None required.
- 13. For commuter category aircraft: N/A.
- 14. Recommended overhaul periods: A recommended overhaul period of 1000 hours.
- 15. Airworthiness Limitation Section: the Alternator limitation is "On Condition".
- 16. Revision: Any revisions to this FAA form 337/field approval must be accepted by the FAA.

Attached: copy of previously approved 337 for N18285 dated May 17, 1994, copy of previously approved 337 for N15117 dated October 16, 2008, copy of previously approved 337 for N67070 dated February 20, 2003. STCSA2015WE and kit instructions including wiring diagrams.

Additional Sheets Are Attached





	A	LTR	
GRAM, FOR J12M2OSP	CLARIFICATION OF WIRING DIA-12-21-93	R DESCRIPTION	REVISIONS
	12-21-93	DATE	
		APPR	

2 POTTER-BRUMFIELD P/N W23XlAlG-50 50 AMP CIRCUIT BREAKER NOT SUPPLIED. RECOMMENDED.

w ROUTING USE 6 AWG, MIL-W-5086 OR EQUAL AIRCRAFT QUALITY WIRE. MIL-W-5086. FOR SINGLE WIRE ROUTING USE 8 AWG PER FOR CONDUIT OR BUNDLE

SIZE IN ACCORDANCE WITH THE FOLLOWING: CLOSE PROXIMITY TO BUSS. WITH CIRCUIT BREAKER OR FUSE LOCATED IN REGULATOR CIRCUIT IS TO BE PROTECTED IN COMPLIANCE WITH FAA REGULATIONS, FUSE OR BREAKER

WIRE SIZE CKT BKT FUSE

ER Con ( Explicans 15 AMP 10 AMP 5 AMP AMP

22 GA 20 GA 18 GA

AMP AMP

10 AMP 10 AMP

CIRCUIT BREAKER OR FUSE ASSEMBLY NOT SUPPLIED

<u></u>ა NEW VOLTAGE REGULATOR P/N J12M2OSP THE J12M2O AND THE SVP-3 UNITS CEEDS AND OBSOLETES BOTH SYP-3. INCORPORATES THE VOLTAGE PROTECT THUS, THE J12M2OSP SUPER

# FAA APPROVED

AIRCRAFT CERTIFICATION OFFICE INITIALS:

INSTALLATION WIRING FOR 12V.

50A. NEG GND ALTERNATOR

P1001

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UNLESS OTHERWISE SPECIFIED

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APPR. BY	SPEC. SCALE
DATE 12-21-93 DWN. BY C. PAR	MATERIAL
EL SEGUNDO, CALIF	KYTRONICS, INC.

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#### 8. Description of Work Accomplished

(If more space is mountd, attach additional shoots, Identify with argraft nationality and requarement mark and date work completed.)

- 1 Installed Jasco Alternator System
- 2 Installed a Jasco Alternator model 6565T and J12M2OSP Voltage Regulator System as per STC SA 1809SW supplied by Page Industries of Oklahoma Inc. PO Box 191, Yukon, Oklahoma, 73089, using drawing # 5032, Rev. C,dated March 15, 1974, supplied by manufactures.

System has a 50 AMP lating

Catculated load is:

<b>FLD</b>	5 Amp.
Radio	b Amp
TXP	3 Amp.
Nav I	10 Amp.
I and Lite	20 Amp

Max Cont Load 43 Amp

- N/A
- 4 N/A
- Ref. to Manufacturer Instruction.
- 6 Ref. to Manufacture: Instruction
- Ref. to Monufacturer Instruction
- 8 N/A
- Θ NiV
- 10 N/A
- 11 N/A
- 12 N/A
- 10 N/A
- 14. No additional overhaul time limitations
- 15. N/A
- 16 N/A
- 17. N/A
- 18. Recorded in Aircraft Log Book

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U.S. CIPC 1080 HOSELS ST.

# US Department of Burgporkilion

federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only Office Identification
FAA-AAL-FSDO-03

INSTHUCTIONS: 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

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Weight and balance of operating limitation changes shall be entered in the appropriate air craft record. An alteration must be compatible with all previous alterations to assure compatible with the applicable airworthiness requirements.

8. Description of Work Accomplished
(If more space is required, attach additional shapes, literally with aircraft pationally and registration mark and date work completed.)

Installed Sky tronics 50 Amp ALt.

all work Done Per Skytronics Drawing

Ploof. For Reference Refer to Drawing

Pervided. Wt-N-Ball and equip list

Revised

KI Additional Shouts: Aro Attached

P/w 985



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

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

for each	such violation (Sec	ction 901 Federal Avia	tion Act	of 1958)									
	Make STINS	ON		Model V-77									
1. Aircraft	Carial Na	-77-13		Nationality and Registration Mark N 67070									
2. Owner		own on registration ce	rtificate)										
Z. Owner	GUY B	USHMAN		LOS ANGELES, CA 90045									
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Date of Ap	proval or Rejection	Certificate or Designation No. 1421203		Signatu	re of Authorized In	dividual dividual		. •					

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.)

#### ALTERNATOR INSTALLATION

- 1) Eclipse Generator, Model 11, Type 309, Weight 24 pounds, REMOVED.
- 2) Jasco Alternator, Model 6555-1, S/N 785-15833, 50 Amp, 14 Volt, Weight 11 pounds, INSTALLED.
- 3) Jasco Regulator, P/N J12M-20, INSTALLED.
- 4) 50 Amp Circuit Breaker, supplied by Potter Brumfield, and 5 Amp Field Breaker, P/N 5-48-205-17 INSTALLED.
- 5) Wiring Diagram, Drawing #P1001, Dated 10/10/78, USED FOR INSTALLATION.
- 6) Instructions for continued Airworthiness, Alternator & Wiring to be Inspected for Security & Operations each 100 Hours per 14CFR Part 43, Appendix D.
- 7) Weight & Balance and Equipment List REVISED. END

☐ Additional Sheets Are Attached

US Department of Transportation	
Federal Aviation Administration	

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

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Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

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RI MITIONS Print or tyne all entries. See FAR 43.9 FAR 43. Annendix R. and AC. 43.9-1 for subsequent, revision thereoft for instructions

	Make Stinson								
1. Aircraft	Serial No. 77-143								
	Name (As shown on registration ce	rtificate)	Address	(As shown on regis	tration ce	rtificate)	<del>, , , , , , , , , , , , , , , , , , , </del>		
Owner	Bailey James H.		409	9 20th Ave					
2. Owner	10 ph 1		Bro	ookings SD 57006		12			
		3. For FAA Use	Only						
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		4. Unit identific	ation			5. Type	· · · · · · · · · · · · · · · · · · ·		
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A. Agency's N	ame and Address	B. Kind of Agen			C. Certifi	cate No.			
William R	Ebbinga	XX U.S. Certific	ated Mechanic		182852	7			
58071 Rich	•	, , , , , , , , , , , , , , , , , , ,	Foreign Certificated Mechanic						
Griswold I	A 51535	<del></del>	Repair Station						
D. I certify th	at the repair and/or alteration made to the u	Manufacture		on the reverse or attach	ments here	to have been m	ade in		
-	the requirements of Part 43 of the U.S. Fed								
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Pursuant to the Administrator	he authority given persons specified r of the Federal Aviation Administratio	below, the unit identified in n and is APPROVI	mem 4 was ii	REJECTED		ivea by the			
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BY Insp	Designee Repair Station val or Rejection Certificate or	Person Approve Canada Airwort Signature of Au	hiness Group	Р					

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.

			N 50227	J	une 27, 2010
			Nationality and Regis	tration Mark	Date
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US Department
of Transportation
Federal Aviation

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A&P 1828527-AI FAA Form 337 (10-06)

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. Ide	entify with aircraft nation	ality and registratio	n mark and date	e work completed.)	netija (filologie) Ostrana teatraje Ostrana
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2. Installed AIRWOLF remote mounted oil filt	ter kit AFC-K007 or	1 R-680-13 Lyco	oming Engin	e of 300 hp. SN	11383
Installation I/A/W AFC-K007-M1 Airwolf Mai	intenance Instructio	ns and AML fo	r STC SA000	024NY page 7 da	ated May
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#### Department of Transportation — Federal Aviation Administration

# Supplemental Type Certificate

Number SA00024NY

This certificate, issued to

\$ 8 - 708 .

Airwolf Filter Corp. 15369 Madison Road Middlefield, Ohio 44062

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3/23 of the Civil Air/Federal Aviation Regulations.

Original Product - Type Gerlificate Number: \*(See attached FAA Approved Model List

Make: \*(AML) No. SA00024NY for list of approved

Mudel: \*airplane models and applicable installation

\*instructions)

Description of Type Design Change:

Installation of Airwolf remote mounted engine oil filter kit AFC-K007 on single and multi engine fixed wing light aircraft incorporating Lycoming reciprocating engines of 450 horsepower or less.

#### Limitations and Conditions:

- 1) Engine compartment firewall for mounting oil filter shall be of .021 inch minimum thickness ASTM A527 galvanized steel or equivalent (Ref. CAR 3.624 (b), FAR 23.1191(h).
- 2) Airwolf Maintenance Instructions AFC-K007-MI dated March 30, 1993 are required with this installation. (See STC Continuation Sheet, Page 2)

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

Date of application :

June 8, 1993

22, 1993 يىلىد

Late of issuance :

Jule reissued :

Tale unrended 11/11/93, 2/3/94, 5/12/94, 11/22/94

By direction of the Statuenisk rater

Manager, Airframe and Propulsion Branch

New York Aircraft 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.

This certificate may be transferred in accordance with FAR 21.47.

FAA FORM 8110-2 (10-68)

and States of America

Department of Transportation Jederal Aviation Administration

# Supplemental Type Certificate

(Continuation Sheet)

Number SA00024NY

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

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

FAAFORM 8110-2-1 (10-69), 1-10 April 10 four stand transferred in accordance with FAR 21.47.

PAGE 2 OF PAGES

## Installation Of Remote Mount Oil Filter Approved Model (AML) SA00024NY Airwolf Filter Corp.

## Original Issue Date July 22, 1993

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		February 5, 1996				February 5 1996			unit	February S 1906				February 5, 1996				February 5 1996	·			February 5, 1996		Amendment	AMI

FAA Approved:

Anthony Socias

Manager, Airframe and Propulsion Branch
Aircraft Certification Office

Amen

Amended: May 23, 1997

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US Departme

US Department of Transportation Federal Aviation ...

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification .

INSTRUCTIONS: Print or type all entries. See FAR 43.9. FAR 43. Appendix B. and AC 43.9-1 (or subsequent, revision thereof) for instructions

and disposition for each such	n violation (Section 9	report is required 301 Federal Aviation	by law Act of	/ (49 1958	Ú.S.C. 1421). ).	Failure to	report can res	ult in ci	vil penal	y not to exce	ed \$1,000
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Date of Approv	27, 2010	Certificate or Designation No. A&P182852	. 16.00	Sign	ature of Author	prized Indiv	ridual E	PE	S		

#### 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.

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FAA Form 337 (10-06)

#### United States of America

#### Bepartment of Transportation -- Nederal Abiation Administration

## Supplemental Type Certificate

Number SA2691SO

This certificate issued to

Springer Aerospace LTD. 9353 S.E. 72<sup>nd</sup> Avenue Ocala, FL 34472

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

Criginal Product - Type Certificate Number \*See attached eligibility list number

Make 18 199-167 for approved airplane models

Model: and airworthiness regulations

Description of Typo Design Change. Replacement of Goodyear Brakes with Cleveland Brake Conversion Kit No. 199-167 in accordance with Redline Corporation Drawing No. H119, dated September 14, 1989, or later FAA approved revision.

Limitations and Conditions: This approval should not be extended to other airplanes of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. This determination should include consideration of significant changes in weight distribution such as an increase in the fixed disposable weight in the fuselage. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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

Date of application . September 22, 1988

Dute reissued: March 18, 2004

February 14, 1990 Date of issuance:

Date umended: May 2, 1994

By direction of the Administrator

Melvin D. Taylor

Manager, Atlanta Aircraft

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.

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#### Department of Transportation—Jederal Aviation Administration

## Supplemental Type Certificate

(Continuation Sheet)

Number

SA2691SO

\* FAA Approved Master Eligibility List (MEL) No. 199-167, Installation of Cleveland Hydraulic Brake Conversion Kit No. 199-167.

			Certification Basis
		ATC 560 ATC 602	·
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, **e*	D17S	ATC 649	CAR 4a
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MAR 1 8 2004

Date

Manager, Atlanta Aircraft
Certification Office

Committee and the state of the

<b>(2)</b>
US Department
of Transportation

Federal Aviation

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

Form A	ppi	ove	ď.	v . t .	
OMB	No.	212	0-0	0020	١

For FAA Use Only
Office Identification For FAA Use Only

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	Make Stinson				Model V	7-77					
1. Aircraft	Serial No. 77-143	, ,	,	Nationali N502	lark 1913 – De 1914 de la alama alama 1915 – De la alama						
	Name (As shown on registration	.,	Address (As shown on registration certificate)								
2. Owner	Bailey James H.	,	. (	409 20th Ave Brookings SD 57006							
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			4. U	nit Identificati	on				5. Type		
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FAA Form 3	37 (12-88)	AFS	Electro	nic Forms System			$\mathcal{T}$	·		11	

#### 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.

		N 50227	June 27, 2010	]
		Nationality and Registration Mark	Date	J
<ol> <li>Removed rotating beacon assemble.</li> <li>Installed Aeroflash Model 156-0017.</li> <li>33(c) as amended by Federal Docamo AC 43.13-1A.</li> </ol>	Strobe light system in	n accordance with PMA under uly 1971 and Instruction Shee	FAR 23.1401,27.1401 a t 130-0071 dated 12-1-8	and 38
<ol> <li>Power requirement 1.5 amps</li> <li>Access thru rear baggage door, upp</li> <li>See manufactures instructions.</li> </ol>	per right side.			
6.See manufactures instructions. 7 See manufactures instructions.				
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#### **MAJOR REPAIR AND ALTERATION**

(Airframe, Powerplant, Propeller, or Appliance)

Office Identification Federal Aviation Administration

FORM F	<b>\pp</b> r	rovea
OMB	No.	2120-0020

For FAA Use Only

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

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D. I certify t	hat the repair and/or alte	eration made to the unit	<del> </del>	·····	d on the reverse or attac	hments hereto have been	n made in				
accordance wit	h the requirements of Pa	art 43 of the U.S. Feden	al Aviation Regulation	ons and that the inform	ation fumished herin is tr	ue and correct to the best	of my knowledge.				
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Administrato	or of the Federal Avia	tion Administration	and is	APPROVED	REJECTED	•					
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BY	A Designee	Repair Station	Person	Approved by Trans	sport						
		<u> </u>	Canada	Airworthiness Gro	oup						
Date of Appro	oval or Rejection	Certificate or Designation No.	Signatu	re of Authorized in	gwidual S	' <i>S</i>					
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FAA Form	337 (12-88)	<del>,*</del>	AFS Electronic	Forms System							

NOTICE

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

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FAA Form 337 (12-88)

AFS Electronic Forms System

MINN MAINUT NOTICE CASH PRODER 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 and additional sheets adventify with aircraft nationality and registration mark and date work completed.)

(If more space is required, attach additional sheets adentify with aircraft nationality and registration mark and date work completed.) N50227 June 27 2010 Nationality and Registration Mark Solicitain and P. of trailor for AIRWOLF OIL-AIR SEPERATER installed into engine breather system://A/W\_STC\_SA02268CH Drawing AFC-W360 Rev C Date 08-28-06 H. cartist, v. Ind. NO. AIRWOLF OIL-AIR SEPERATER located forward of fire wall on upper left side . Included in new empty weight. WHE THE THINKS See attachment for continued airworthiness. nelloughbrublant A adil 3 ---- (weds ) m ' id bit ' 128 Lif i ----100 राज्याना सम्बद्धी mor. exeld window of 3 Certironie Na. Settlan R Frinkry in interest personal in a line of the 1858251 58.77 it chia to RG أسد أأشد المستدار الدعاها والتعالية COR Alberta man to soft or the train udin en in dicini de la Contra Redendi Augustata i de contrata de la presenta di especialmente de la contrata contrata de la contrata del contrata de la contrata del contrata de la contrata del la contrata del la contrata del la contrata de la contrata de la contrata de la contrata de la contrata del la contrata d lawrence by reduction to watarens

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FAA-Form:337-(10-08)

#### AIRWOLF AIRSEP INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA)

A/C Make: STINSO	) Model:_	U-77
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Serial#: 77-143 N#: 50227

This Instructions for Continued Airworthiness (ICA) meets the requirements of 14 CFR Part 23 Appendix G.



#### **AIRWORTHINESS LIMITATIONS**

- 1.0 The Airworthiness Limitations Section is FAA approved and specifies maintenance required under 43.16 and 91.403 of the Federal Aviation Regulations unless an alternate program has been FAA approved.
- An STC incorporated in a larger field approval major alteration may have an airworthiness limitation. The FAA inspector should not establish, alter, or cancel an airwothiness limitation without coordinating with the appropriate FAA Type Certificate Holding Office.

SECTION	DI SCRIPHON
1.	Introduction: The Airwolf AirSep system is a passive oil recovery system. There are no moving parts within the AirSep.
2.	Description: The AirSep is a device through which the process of coolescense, allows the oil that is normally expelled out the engine breather tube into the atmosphere, to be collected within the device for recovery at which time it is then returned back into the engine for reuse.
3.	Servicing information: N/A
4.	Maintenance Instructions: Clean inside of AirSep and oil return line to engine with Stoddard Solvent, Mineral Spirits or other suitable solvent, at each annual or 100 hr. inspection. In the event of a vacuum pump failure, disassemble Air/Oil Separator, thoroughly clean it and all lines, hoses and fittings and remove any traces of vacuum pump debris. Reassemble and lightly torque top nut only enough to prevent top and bottom can from rotating and center gasket to seal to prevent any leakage.
5.	Trouble shooting information: If any oil is seeping out of center seam of AirSep can, replace center gasket and lightly torque top nut only enough to prevent further leakage which in most cases is 12 in/lb. If breather oil is found on the belly of the aircraft, check that outlet duct is located as per the above installation instructions and is not located in or near the high velocity airstream.
6.	Removal and replacement information: Refer to the above Approved Installation Instructions for the AirSep kit.
7.	Diagrams: N/A
8.	Special inspection requirements: None
9.	Application of protective treatments: N/A
10.	List of special tools: N/A
11.	Recomended overhaul periods: N/A
12.	Revision: The latest revision of this ICA can be found at www.airwolf.com

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#### United States of America

#### Bepartment of Transportation — Federal Abiation Administration

## Supplemental Type Certificate

Number SA02268CH

This certificate issued to

Airwolf Filter Corp. 15369 Madison Road Middlefield, OH 44062-8404

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

- Original Product Type Certificate Number : \*
- \*See attached FAA Approved Model List
- (AML) No. SA02268CH for list of approved
- airplane and engine models and applicable

airworthiness regulations.

#### Description of Type Design Change:

Installation of Airwolf Filter Corp. Air Oil Separator, in accordance with Airwolf Filter Corp. Installation Instructions as listed on AML No. SA02268CH, or later FAA approved revision.

#### Limitations and Conditions

- 1. Compatibility of the design change with previously approved modifications must be determined by the installer.
- 2. A copy of this Certificate and FAA Approved Model List (AML) No. SA02268CH, Revision None, dated March 30, 2006, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.
- 3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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

Date of application: June 24, 2004

Dale of issuance: March 30, 2006



Charles L. Smalley

Manager, Systems & Flight Test Branch

Chicago Aircraft Certification Office

(Title)

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

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# FAA APPROVED MODEL LIST (AML) NO. SA02268CH AIRWOLF FILTER CORP

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Page 6 of 21

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US Department of Transportation Federal Aviation Administration

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

Form Approved	
OMB No. 2120	-002

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020 For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B. and AC 43.9-1 (or sub

1. Aircraft	<b>1</b>	31.	·5	· •/	en, troupe pro-	IdhaM	V-77	ħ,	Tribution of the	5°. Xy.
,.	Serial No. 77-143					N502	lity and Registration		. : .	7 77845 4
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Unit	Make				Model		Serial N	o.	Repair	Alteration
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ROPELLER										10 11 11 11 11 11 11 11 11 11 11 11 11 1
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William R E 58071 Richla Griswold IA	and Rd			Foreign Certificated Mechanic 18  Certificated Repair Station			182852	7		
	the repair and/or alteration ne requirements of Part 43									
Pate /	27,20				nature of Authorn			٤		
Pursuant to the	authority given perso	ns specified hel	ow th	prova	for Return To	Service	spected in the man	nor pro	had by 45 s	
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#### NOTICE

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

8. Description of Work Accomplished

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

1. Removed all fabric from covered assemblies. Cleaned and inspected all uncovered assemblies. Made minor repairs as needed. Inspected all assemblies for corrosion and treated as necessary I/A/W AC 43-13-1A Chapter 1 Section 2, Chapter 3, Section 1, Chapter 6 and applicable sections of 43-4A for "Corrosion Control for Aircraft"

Complete pre-covering inspection of all assemblies and found satisfactory for recover;

Recovered all assemblies with STITS POLY-FIBER 3.4 OZ. Fabric I/A/W STITS POLY-FIBER COVERING & PAINTING MANUAL dated February 1993 .. All work I/A/W procedure manual No. 1, Revision fifteen, Seventh Edition, February 1993..

Painted I/A/W STITS-POLYFIBER MANUEL using STITS POLY-TONE. Base color #125 Tucson Cream with trim color of # 187 Christen Eagle Red

2. This alteration is approved under FAA STC SA1008WE dated July 26,1965.

15. n/a

16. n/a

- n/a
- 4. Any repairs to dope& fabric to be I/A/W/ STITS POLY-FIBER PROCEDURE MANUEL #1.
- 5. Normal maintenance and inspection I/A/W Stinson Erection and Maintenance Instructions TO 01-50KA-2
  - 6. n/a
  - 7. n/a
  - 8. n/a
  - 9. n/a
  - ). Wa
  - 10. n/a
  - 11. n/a
  - 12. n/a
  - 13. n/a
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Fabric and paint in new empty weight of June 27,2010..

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Committee (Figure

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#### United States of America

#### Department of Transportation—Jederal Aviation Administration

## Supplemental Type Certificate

Number SA1008WE

This certificate, issued to

STITS AIRCRAFT CORPORATION

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 Part \* of the \* Regulations.

Original Product - Trype Certificate Number: \*

Make: \*

\*See attached Master Eligibility List Number 1008 for list of approved airplane models and applicable airworthiness regulations.

Description of Type Design Change: Remove original cloth covering and install Poly-Fiber covering material in accordance with Poly-Fiber Covering Kit No. 1 consisting of Pages 2, 3 and 4, dated November 1975, of the Poly-Fiber Procedures Manual No. 1 or later FAA approved revision thereto, Poly-Fiber Source of Materials and Poly-Dope Products Process Specification No. 50.

Limitations and Conditions: The approvals of this change in type design applies basically to those aircraft models listed on the attached sealed FAA Approved Master Eligibility Application List No. 1008. This approval should not be extended to other specific airplanes of those models on which previously approved modifications are incorporated unless it is determined that the inter-relation-ship between this change and any of those other previously approved modifications will introduce no adverse effects upon the airworthiness of those airplanes.

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

Date of application: May 20, 1965

Date reissued :

Date of issuance:

July 26, 1965

Date amended March 18, 1966; March 22, 1976

Bry direction of the Administrator

(Signature)

Signature)

Chief, Aircraft Engineering Division

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

This certificate may be transferred in accordance with FAR 21.47.

### F.A.A. APPROVED MASTER ELIGIBILITY APPLICATION LIST NO. SA1008WE DATED JULY 26, 1965. Aircraft models eligible for the installation of POLY-FIBER per Manual No. 1.

Aircraft Make & Model Aeronca C-3, PC-3	T.C. No. ATC-396	Components Covered Complete Aircraft	Douglas DC3A-SCG, -SC3G, -S1CG, -S1C3G (Army C-41,	TC-A689	Allerons, Elevators & Rudder
Aeronca (Trytek) K, KS	ATC-634	Complete Aircraft	C-41A, C-48, -48A, -52,		1
Aeronca LC, LCS	ATC-614	Complete Aircraft	-52A, -52B, -52C, -53,		
Aeronca O-58A (Army L-3A), O-58B (Army L-3B, L-3C), SO-58B	TC A-751	Complete Aircraft	-53B, -53C, -53D, -68; Navy R4D-3, -4), DC3A- S4C4G; DC3C-8C3G, -S1C3G,		
Aeronca (Trytek) 50-C, 65-C, 65-CA (Army L-3F), S-50-C, S-65-C, S-65-CA,	TC-675	Complete Aircraft	-S4C4G (Army C-47, -47A; Navy R4D-1, -5; DC3C-R-1630-90C (Army		
KCA Aeronca 50-TC, 60-TF, 65-TC	A-728	Complete Aircraft	C-47B; Navy R4D-6); DC3D-R-1830-90C (Army C-117A)		
(Army L-3J), 65-TF, 50-TL 65-TL, 65-TAC (Army L-3E), 65-TAF (Army L-3D), 66-TAL, YO-58 (Army L-3)			Douglas A-268, A-26C  Douglas C-54-DC (Army C-54;	LTC-3	Allerons, Elevators & Tabs, Rudder & Tabs
Aeronca (Bellanca) (Trytek) 11AC, S11AC, 11BC, S11BC	TC A-761	Complete Aircraft	Navy R5D), C54A-DC (Army C-54A, Navy R5D-1),	TC 762	Rudder, Elevators & Ailerons
Aeronca 15AC, S15AC	TC A-802	Fuselage & Empennage	C54B-DC (Army C-54B, Navy R5D-2), C54D-DC (Army C-54D, Navy R5D-3), C54E-DC		
Aeronca (Champion) (Bellanca) 7AC, 7ACA, S7AC, (L-16A) 7BCM, (L-16B) 7CCM, S7CCM, 7DC, S7DC,	TC A-759	Complete Aircraft	(Army C-54E, Navy R5D-4), C54G-DC (Army C-54Q, Navy R5D-5), DC-4		
7EC, S7EC, 7ECA, 7FC, 7GC, 7GCA, 7FCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KC,			McDonnell Douglas DC-6A, (Navy R6D-1, USAF C-118A) McDonnell Douglas DC-6B, (Navy R6D-1Z)	TC 6A3	Rudder Rudder
7KCAB Aeronca (Bellanca) 8KCAB,	TC A21CE	Complete Aircraft	Emair MA-1, MA1B	TC ABPC	Complete Aircraft
8GCBC			Ercoupe (Univair) 415-C, CD	TC A-718	Both Wings
Aetna Aerocraft 25A Air Tractor Inc.	733 A9SW	Complete Aircraft Elevators & Rudder	Ercoupe (Univair) 415-D, -E, -G	TC A-787	Both Wings
AT300, AT301, AT302, AT400, AT400A	ABSW	Elovatora d viologi	Fairchild M-62A (Army PT-19, -19A, -19A-AE, -19A-SL, -19B, -19B-AE),	TC-724	Complete Aircraft
American Eaglet B-31	ATC-450	Complete Aircraft	M-62A-3 or -4 (Army PT-26,		
Beechcraft D17S (Army UC-43, -43B; Navy GB-1, -2) SD17S	TC-649	Complete Aircraft	-26A, -26B), M-62B, -62C (Army PT-23, -23-AE, -23-HO -23-SL, -23A, -23A-SL)		
Beech C18S (Army C-45, -45A 45F, UC-45B, -45F, AT-7,	TC-757	All Fabric Covered Components	Fairchild 24 C8	ATC-475	Wings
-7A, -7B, -7C; Navy JRB-1, -2, -3, -4, SNB-2, -2C)		Components	Fairchild 24 C8C, C8CS Fairchild 24 C8E &	ATC 534 ATC-600	Complete Aircraft L & R Elevators &
Bellanca 14-13, 14-13-2, -3, -3W	TC-773	Complete Aircraft	24 C8ES Fairchild 24R9 (Army	TC-706	Top of Horiz. Stab Complete Aircraft
Bellanca Cruse Master 14-19, -19-2, -3, -3A, 17-30, 17-31, 17-31 TC	TC-1A3	Complete Aircraft	UC-61C), 9S, 40 (Army UC-86, 40S, 46, 46A (Army UC-61K), 46S		
Blanik L-13 LET, n.p.	TC-G24EU	All Control Surfaces	Fleetwing F-401	2-540	L & R Wing Panels
Boeing A75L3, 75 (Army PT-13), A75 (Army PT-13A, -13B, -13C), B75 (Navy N2S	TC-743	Complete Aircraft	Fleet 16B (RCAF Finch II) Frankfort (Corcoran) B Glider (Army XTG-1, -TG-1A, -1C)	2-566 GTC-7	Complete Aircraft Complete Aircraft
-2), E75 (Army PT-13D; Navy N2S-5; PT-13D/N2S-5), A75J1 (Army PT-18), A75L300,			Franklin "A" S/N 8	ATC 2-246	Fuselage
A75N1 (Army PT17, -17A; Navy N2S-1, -4), B75N1 (Navy N2S-3), D75N1 (Army PT-27), IB75A, E75N1			Funk (McClish) B, B75L (Army UC-92), B85C	TC-715	Complete Aircraft  All Control
Brewster Fleet 7, 7-C 7 Deluxe, 10	ATC-374	Complete Aircraft	General Dynamics Corp. Vultee BT-13, -13A (Navy SNV-1), -13B (Navy SNV-2)	2-9/1	Surfaces
Callair A, A-2, A-3, A-4 A-5, A-5T, A-8, A-7, A-7T A-9, A-9B	TC A-758	Complete Aircraft	-15 Great Lakes Aircraft Co. 2T-1A, 2T-1A-1, 2T-1A-2	TC A18EA	Complete Aircraft
Callair, B-1A	TC-A8WE	Both Wings	Grumman AG-CAT, G-164,	TC	All Fabric Covered
Cessna 120, 140	TC-768	Both Wings	-164A	1A16	Components
Cessna 170 Commonwealth (seé Rearwin)	TC-799	Both Wings	Grumman FM-2 Grumann G21, -21A (Army OA-9	LTC-25 TC 654	Ailerons Elev. & Rudder Ail Fabric Covered
Consolidated PBY-5 (Army OA-10), PBY-5A (Army OA-10A)	TC 2-548	Right Aileron	Navy JRF-1, -2, -3, -4, -5, -6B) Grumman G-44 (Army OA-14; Navy J4F-2) -44A, Scan	TC A-734	Surfaces Aft Section of Wings
Culver V, V2	TC-778	Complete Aircraft	Type 30		Dudde
Culver, Army PQ-14A, -14B YPC-14A, -14B; Navy TD2C-1	LTC-28	Complete Aircraft	Grumman G-73 Grumman Navy F8F-1	A-783 LTC-23	Rudder Both Elevators &
Curtiss P-40L, P-40N Curtiss-Wright Jr. CW-1	LTC-18 TC-397	R & L Elevators Fuselage &	Grumman Navy TBF & TBM Series	LTC-8	Ailerons Ailerons, Elevators & Rudder
	1	Empennage	Grumman HU-16A, HU-16B	A83350	Ailerons Rudder & Elevators
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deHavilland, Cliff Robertson, DH 82A	TC A8EU	Complete Aircraft	Harlow (Peacock) PJC-1, -2	1000	
		All Fabric Covered Components	(Army UC-80) Helio H-250, H-295 (USAF U-10D), H-391 (USAF YL-24) H39AB, H395 (USAF L-28A)	TC-1A8	L & R Ailerons
Robertson, DH 82A deHavilland 104 Dove Series 1A. 2A. 5A. 5BA, 6A. 6BA, 7A, 7AXC, 8A, 8AXC Douglas DC3-G102, DC3-	A8EU	All Fabric Covered Components	(Army UC-80) Helio H-250, H-295 (USAF U-10D), H-391 (USAF YL-24) H39AB, H395 (USAF L-28A) H395A	TC-1A8	L & R Ailerons
Robertson, DH 82A deHavilland 104 Dove Series 1A, 2A, 5A, 5BA, 6A, 6BA, 7A, 7AXC, 8A, 8AXC Douglas DC3-G102, DC3- G102A (Army C-49E, -50, -50A, -50B, -50C, -50D, -51), DC3-G103A, DC3- G202A (Army C-49, -49A,	A8EU TC-807	All Fabric Covered Components	(Army UC-80) Helio H-250, H-295 (USAF U-10D), H-391 (USAF YL-24) H39AB, H395 (USAF L-28A) H395A Helton (McBemas) Lark 95 Howard DGA-15J (Army UC-708), DGA-15P (Army UC-70; Navy GH-1, -2, -3,	i	}
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Robertson, DH 82A deHavilland 104 Dove Series 1A. 2A, 5A, 5BA, 6A, 6BA, 7A, 7AXC, 8A, 8AXC Douglas DC3-G102, DC3- G102A (Army C-49E, -50, -50A, -50B, -50C, -50D, -51), DC3-G103A, DC3- G202A (Army C-49, -49A, -49B, -49C, -49J,	A8EU TC-807	All Fabric Covered Components	(Army UC-80) Helio H-250, H-295 (USAF U-10D), H-391 (USAF YL-24) H39AB, H395 (USAF L-28A) H395A Helton (McBemas) Lark 95 Howard DGA-15J (Army UC-708), DGA-15P (Army UC-70; Navy GH-1, -2, -3,	TC-1A8	L & R Allerons Complete Aircraft

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Aircraft Make & Model	T.C. No.	Components Covered
Intrepriderea De Contructii Aeronautice Brasov 1S-28B2	G40EU	Aileron, Rudder & Elevator
Laister-Kauffman LK-10A (Army TG-4AO, LK-10B)	TCG-15	Complete Aircraft
Luscombe 8, 8A, 8B, 8C, 8D, 8E, 8F, T-8F	TC-694	Both Wings
Maule Bee Dee M-4, M-4, -4C,	TC-3A23	Fuselage &
-4S, -4T, M-4-210, -210C, -210S, -210T, -220C, -220S,	100/120	Empennage
-2201, -180C, -180S, -180T,		
M-4-220, M-5-180C, -200, M-5-210C, -210TC, -220C,		
-235C, M-8-180, M-6-235, M-7-235, MX-7-235, -180.		
McKinnon G-21G	TC 4A24	Rudder
Meyers OTW, -KR, -145, -160	TC-A736	All Fabric Covered
Mooney M20, M20A, M20B	TC-2A3	Components Complete Aircraft
M20C, M20D, M20E, M20F M20G		Complete Alterall
Mooney Mite M-18C-18C55,	TC-803	Complete Aircraft
-18L, -18LA	1	
Monocoupe 90, 90A, 90AF, 90AF-100,	TC-306	Complete Aircraft
90AL-115		
Moth 60-GM, -GMW Naval Aircraft Factory	ATC-197 2-569	Complete Aircraft Complete Aircraft
Navy N3N-3	1 200	Complete Aircraft
North American BC-1A, AT-6 (SNJ-2), -6A (SNJ-3), -6B,	2-575	All Fabric Covered Components
-6C (SNJ-4), -6D (SNJ-5),		Components
-6F (SNJ-6, -7), T-6G North American RB-25,	LTC-2	Budde
B-25C, GH, J;	1 2102	Rudder
B-25N, TB-25N North American (Cavalier)	LTC-11	Rudder
Army P-51C, D, K		, nadoer
Neison BB-1 Glider Pasped W-1	GTC-19	Fuselage
Perth-Amboy Bird BW	ATC 2-546 ATC-382	Complete Aircraft Complete Aircraft
Perth-Amboy Bird CK	ATC 388	Complete Arroraft
Piaggio P136-L, -L1, -L2	TC 813	All Control Surfaces
Piper E-2 Piper J-2	ATC 455 ATC-595	Complete Aircraft
Piper J3F-50, -50S, -60,	TC-692	Complete Aircraft Fuselage & Wings
-60S, -65 (Army L-4D) -65S		
Piper J3C-40, -50, -50S, 065 (Army L-4, -4A, -4B,	TC-691	Complete Aircraft
-4J, Navy NE-1, -1), -65S, PA-11, PA-11S		
Piper J3L, -S, -65 (Army	TC698	Complete Aircraft
L-4C) -65S	To 700	
Piper J4, J4A, J4A-S Piper J5A (Army L-4F),	TC-703 TC-725	Complete Aircraft L & R Wings &
J5A-80, J5B (Army L-4G), J5C, AE-1, HE-1		Fuselage
Piper PA-12, PA-12S	TC-780	Complete Aircraft
Piper PA-15	TC-800	Complete Aircraft
Piper PA-16, PA-16S Piper PA-18, PA-18S.	TC-1A1 TC-1A2	Complete Aircraft
PA-18 "105" (Special), PA-18S	10-142	Complete Aircraft
"105" (Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S	ļ	
"125", PA-18AS "125", PA-18 "135" (Army L-21B), PA-18A		
"135", PA-18S "135", PA-18AS		
"135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS		
"150", PA-19 (Army L-18C), PA-19S	İ	
Piper PA-20, -20S, -20-115	TC-1A4	Complete Aircraft
-20S-115, -20-135, -20S-135 Piper PA-22, -22-108,	TC-1A6	Complete Aircrett
-22-135, -22S-135, -22-150,	10-170	Complete Aircraft
-22S-150, -22-160, -22S-160 Piper PA-25, 25-235	TC-2A8	Complete Aircraft
-25-260		Complete All Clark
Pitcarin PA-5	ATC-18	Fuselage & Empennage
Pitts S-1S, S-1T, S-2, S-2A, S-2S, S-2B	TC-A8S0	Complete Aircraft
Porterfield CP-50	TC-690	Fuselage &
Porterfield CP-55, -65,	TC-720	Empennage Complete Aircraft
CS-65, FP-65, LP-65 Pratt, Read PR-G1 (Army	GTC-12	
TG-32; Navy LNE-1)	ĺ	Complete Aircraft
Rearwin, Commonwealth, 175 180, 180F, 185, 190F	TC-729	Complete Aircraft
Rearwin (Pigman) 8090, 8125, 8135 (Army UC-102A), 8135T	TC 711	Complete Aircraft
Rockwell Commander 600	TC-A4SV	Hori, & Vertical
S-2D, S-2R	1	Stabilizers & Rudder

Aircraft Make & Model Ryan Aeronautical ST-3KR	T.C. No. J TC-749	Components Covere
(Army PT-22, -22A) Ryan Aeronautical ST-A	ATC-571	Components All Fabric Covered
Ryan SCW-145	TO 050	Components
Scheibe Bergfalke-II/55	TC 658 TC-7G9	Wings & Empennage Both Wings
Schempp-Hirth SHK1	G9EU	Wings & Empennage
Schleicher Ka 6, Ka 6B, KA 6B Ka 6C, Ka 6CR, Ka 6CR-Pe, KA 6E	TC 7G1	Wings & Empennage
Schleicher K7, Ka2b	TC7G3	Fuselage
Schleicher K8, K8B	TC-7G4	Complete Aircraft
Schleicher Zugvogel-111B	TC G4EU	Fuselage, Empennag
Schleicher ASK13	G15EU	Both Wings, Elevators & Ailerons
Schweizer SGU-1-19, -19A	TCG-17	Complete Aircraft
Schweizer SGU2-22, -22A -22B22C22CK, -22E, -22EK	TCG-18	Complete Aircraft
Schweizer SGC 1-26, -26A -26B, -26C, -26D, -26E	TC-1G10	Complete Aircraft
Schweizer SGS 2-8, SGS 2-8A	GTC 5	All Fabric Covered Components
Schweizer SGS 2-32 Schweizer SGS 2-33, -33A,	TC G1EA	L & Ř Aileron & Rudder
-33AK	TC-G2EA	All Fabric Covered Components
Schweizer SGS1-34, -34R	G3EA	Rudder
Stearman-Hammond, Y1S	TC-644	L & R Wings & Center Section
Stearman 4E	ATC-292	Complete Aircraft
Stearman C3-B	ATC-55	Complete Aircraft
Stinson SR-5, -5A, (Army L-12), -5B, -5C, -5E	ATC 530	Complete Aircraft
Stinson SR-7A, -7B, -7C	ATC 594	Fuselage
Stinson SM-AA	ATC-295	Complete Aircraft
Stinson SM-8B, -8BT	ATC 294	Complete Aircraft
Stinson 10A (Army L-9B) 10B	TC-738	Rudder
Stinson HW-75, 10	TC-709	Complete Aircraft
Stinson L-5, -5B, -5C, -5D, -5E, -5E-1, -5G	TC-764	Complete Aircraft
Stinson 108, 108-1, -2, -3,	TC-A767	Complete Aircraft
Stinson V-77 (Army AT-19)	TC-774	Complete Aircraft
Taylorcraft Model A	TC-643	Complete Aircraft
Taylorcraft DC-65 (Army L-2, -2C), DCO-65 (Army L-2A, -2B, -2M), DF-65 (Army L-2E), DL-65 (Army L-2D)	TC-746	Complete Aircraft
Taylorcraft BC, BCS, BC-65, TCS-65, BC12-65 (Army L-2H), BCS12-65, BC12-D, BDS12-D, BC12-D1, BCS12-D1, BC12-D-85, BCS12D-85, BC12D-4-85, BCS12D-85, BC12D-4-85,	∂C-A696	Complete Aircraft
Taylorcraft-19, F-19, F-21, F21A, F21B, F22, F22A.	TC1A9	Complete Aircraft
Travel Air 4000  Vultee (See General  Dynamics Corporation)	ATC-32	Complete Aircraft
Waco ASO	ATC-41	Complete Aircraft
Waco CSO	ATC 240	Complete Aircraft
Waco GXE	ATC 13	Fuselage, R & L Horiz. Stab, L & R Elevator
Waco UBF-2	ATC 473	Complete Aircraft
Waco UPF-7, VPV-7	TC-642	Complete Aircraft
Waco QCF-2	TC-416	Complete Aircraft
Waco CUC-1, CUC-2	ATC 575	Complete Aircraft
WACO UIC	ATC 499	Complete Aircraft
! When one model of a series of mo	l dels has been co	

When one model of a series of models has been covered and approved all aircraft models manufactured under the same Type Certificate number, civilian or military, are also included in our STC. Thus, our STC for an Aerona (Champion, Bellanca) 7AC model is also applicable to the approximately 22 (and growing) models of aircraft manufactured as Series 7 under the same TC #759.

When a design is changed to metal skin and manufactured under the same TC number, e.g. the Luscombe Model 8, all models optional fabric or metal covered wing, our STC is applicable only to those models with fabric covered components. Check the aircraft nameplate for the TC number or check with the local FAA-GADO office.

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#### AIRCRAFT OPERATION LIMITATIONS WITH DOOR REMOVED

AIRCRAFT Make and Model

N 50227 Registration No.

- 1. This aircraft may be flown with not more than one cabin door removed, provided the aircraft is operated in accordance with the applicable Civil Air Regulations and the following limitations:
  - a. Maximum speed not to exceed any of the following:

The approved maneuvering speed 70 percent maximum level flight speed 70 percent maximum structural cruising speed

- No acrobatic maneuvers are permitted.
- Maximum yaw angle 10°; maximum bank angle 15°. c.
- An FAA (CAA) approved safety belt installation must be provided for each occupant.
- No smoking permitted.
- f. When operations other than parachute jumping are conducted, a suitable guardrail or equivalent safety device must be provided for the doorway.
- g. All loose articles must be tied down or stowed.
- No baggage may be carried.
- Jumpers' static lines must be kept free of pilot's controls and control surfaces.
- Operations limited to VFR conditions.
- 2. The following placard must be placed on the instrument panel in full view of the pilot:

For flight with doct removed, see "Aircraft Operating Limitations with Door Removed."

3. A copy of these limitations must be carried in the aircraft when flight operations are conducted with the door removed.

When parachute jumping operations are being conducted, it is recommended that all occupants wear parachutes.

Date December 18, 1963

General Maintenance Inspector

WE-GADO-10, Portland, Oregon

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U. S. DEPARTMENT OF COMMERCE		Form Approved: B	idget Burosu No. 41–R041.5.
APPLICATION FOR AIRWORTHINESS CEI AND/OR ANNUAL INSPECTION OF AN		Please print or type.	RUCTIONS Submit this form to the submit this form to the subministration Aviation Safe
1. TYPE OF APPLICATION (Check which)  2. ORIGINAL ISSUANCE OF CERTIFICATE  3. DANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE  4. MENDMENT OR MODIFICATION OF CURRENT CERTIFICATE	e. 🔲 MULTI	TIFICATION UNDER THE PR	
2. AIRWORT HINESS CLASSIFICATION (Check appropriate It is requested that the Certificate of Airworthiness b worthiness classification(s):  a. STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT C. b.   LIMITED (SEE CAR 8)  c.   RESTRICTED (SEE CAR 8)  (Check the restricted special purpose operation(s) to be conducted)    AGRICULTURAL AND PEST CONTROL    AERIAL ADVERTISING   AERIAL SURVEYING   GLIDER TOWING  d.   EXPERIMENTAL (Check the type of experimental operation(s) to be conducted)    RESEARCH AND DEVELOPMENT   AMATEUR-BUILT   DEMONSTRATION  3. AIRCRAFT IDENTIFICATION (Complete all terms)  a. AIRCRAFT MAKE	PATRO PATRO PATRO FORES OTHER RACIN CHECK	LLING I AND WILDLIFE CONSERVATER CONTROL.  G. TION  A AIRCRAFT	TION
d. ENGINE MAKE	0. ENGINE M	ODEL	- 143
Lycoming		680-E3A	<u>F</u>
4. AIRCRAFT REGISTRATION INFORMATION (Complete		1 1 1 1 1	State of the state
MERCY FLIGHTS INC.	Box		AIRCRAFT NATIONALITY AND REGISTRATION MAR  N- 50227
(1985년 - 1985년 br>1985년 - 1985년 br>1985년 - 1985년	MEDF	BRA. EGON	
5. AIRCRAFT OWNER'S CERTIFICATION (Check and comp I hereby certify that I am the registered owner ( registered with the Civil Aeronautica Administration)	or his agent) of	he Regulations of the	n Item 3 above which is Administrator, Part 501
registered* with the Civil Aeronauties Administration or 502 and when operated displays the following evide  a. CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A),  b. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B),  W-300 ON  c. DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DA  *In order to be eligible for registration as aircraft must be owned by a citizen of the United States, as affined by Scotlon I (13) of the Civil Aeronautics Act of 1938, as amended.  ATTACHMENTS (Cacct which)  ACA-319 WEIGHT AND BALANCE REPORT  ACA-337 DATA, DRAWINGS, ETC.	DOCO OF REGISTRATIC  DATE OF ISSUE FORM ACA-SOO, PA	8-25-1954	

CAMERA NO. 5 N DATE: 4-15-85

	EPARTMENT OF COMMERCE	
	ERONAUTICS ADMINISTRATION	
C, AIRCRA	FT INSPECTION REPORT	
	AA representative or approved repair station	
he aircraft described in Item 3 on the reverse of	this form has been inspected and found to confo	rm to the following:
AIRCRAFT AND ENGINE CERTIFICATION B	THROUGH SHEET REVISION NO.	
b. ☐ AIRCRAFT LISTING PAGE NO.		
TANAMENT PROPERTY CHIMADY	54 THROUGH CARD NO. 55-15	
d. CIVIL AIR REGULATION PART 8 (MODIFIED TYPE C	CERTIFICATE)	
그리고 있는 사람들이 가는 사람들이 가는 것이 되었다.		
AIRCRAFT AND ENGINE OPERATING RECO		
a. AIRCRAFT NEW-NO PREVIOUS OPERATION OR MA	INTENANCE HISTORY	
b. COMPLIANCE WITH APPLICABLE AIRWORTHINESS E	S BEEN OPERATED A TOTAL OF 160:00 HOU	RS
AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS	S BEEN OPERATED A TOTAL OF 7 STORY	
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SERIAL NO.	TOTAL HOURS	
VAEVIOUS INS ECTION RECORD (INSPECT	TION RECORDED ON FORM ACA-319)	à s
LAST AIRWORTHINESS INSPECTION CONDUCTED	<u>8-9-55</u>	£ 5
BY AIRCRAFT MANUFACTURER	(Miz)	50 CP -71
BY APPROVED REPAIR STATION, CERTIFICA	ATE NO. GEOR HOP-IN She	2 ₹
BY MECHANIC, CERTIFICATE NO.	M-4083 711 24400	1 2 6 6
b. PERIODIC AIRCRAFT INSPECTION REPORT, FORM	ACA-319, WAS RETURNED TO OWNER	©
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a. OPERATION LIMITATIONS, FORM ACA-309, WAS IS		
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1: AIRCRAFT	Stinson Stinson		ODEL Y-77	SERIAL NO. 19 77-143	NATIONALITY	ND REGISTRATION MAR
2. OWNER	NAME (First, middle, last)			2804 E 27 st	me and State)	Objects and
3. COMPLET	E ONLY FOR UNIT REPAIR E WITH CIVIL AERONAUTIC	ED AND/OR	ALTERED, DESCR	IBE WORK ACCOMPL	ISHED ON RI	EVERSE IN AC-
UNIT	MAKE		MODEL	SERIAL NO.	. NATURE O	F WORK (Check)
a. AIRFRAME	***************************************	A (An description)	Pet iden Cotons) ann		MAJOR REPAIR	MAJOR ALTERATIO
6. POWERPLANT		(3)	2 22		XXX	1 0 2 2
c. PROPELLER		1 8		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1
a APPLIANCE	TYPE AND MANUFACTURER	E 8	18 % E			
4. AIRCRAFT	WEIGHT AND BALANCE DA R the repairs and/or alterations sscribed below were made.	Case of k	ir an aircrait. At t	ted by repair or alterati it will not be complete his time, it will be comp	on agency. I d until such c deted by the in	However, in the omponent is installing agency,
CATEGORY	EMPTY WEIGHT (Po			OF GRAVITY (Inches from datum)	• USE	FUL LOAD (Pounds)*
std.	2560		- 85.	5811	1	440
	ITY STATEMENT (Complete and	check)				
a. AGENCY'S NAME	AND ADDRESS -	<del></del>	5. KIND OF AGENCY		c. CERTIFICA	TE NO.
	R Larsen 27 St Vancouver Wa	<b>sh</b>	☐ Foreign Cer ☐ Certificated ☐ Manufacture	er.	AP 143	3562
· 	-		was tion	eck if repair or alteration made under delegation of procedures.)	p-	:
	at the repair and/or alterations bereto have been made in action furnished herein is true at				described on vil Air Regu	the reverse or tions and that
April 3.	62 ir and/or alteration completed)		aller	Ill Janes		
6. APPROVAL	FOR RETURN TO SERVICE	(Check and complethe unit iden	ete appropriate items) tified in item 3 was	(Signature of authorized in inspected in the manne		by the Adminis-
Ø APP □ REJ	ROVED BY CAA Designment Bafety Age	gnee [ Ma tion [ Rep ent	nufacturer 🔲 Copair Station 🔀 O	anadian Department of T ther (Specify) $\mathcal{J}_{r}\mathcal{A}$ .	ransport Inspe	ector of Aircraft
	62 approval or rejection)		Kemas (Signature	of authorized individual; title of	48P34	592 mber)
a [] Forwards	d for engineering comment  (Date)		tached memorandur	n ☐ Spot Checl	ked DE	C 4 1992
	designation number	2	Keir	M. Baues (Signature Aviation Safety	oft	
16-54010-4	<del></del>					

Common March



#### INSTRUCTIONS-



This form must be completed in duplicate Such time a major repair and/or alteration is made of an alterait, alterait, alterait, propeller or appliance. After the repair and/or alteration has been inspected and item a 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.

Puselage wings and all controls resovered Irish Lines, DTD 540 complies with Right wings seovered with Grade A Cotton TSO-CI5. FAA TSO-CI5

Clear Buterate Dope 4 coats
Aluminum Dope 5 coats
pigment Dope 8 coats

Aircraft weighed with following items installed I,3,10I,102,103,105,201 202,301,302,304,401 Right scale reading:1210 Left scale:1170: Tail scale: 180

Distance from main Wheel to tail wheel, 228.75 "Distance from Main wheel to Datum line , 69.5"

Empty weight C.G. 180x228.75/2560 16.08 +69.5 -85.58" from Datum line

중위 한 한번환경, 가 <u>요</u> 이	MOST FOWARD	POSITION C.G	医温度 医抗医内腺性畸形
Basic aircraft	2560	89.58	219084.80
Pilot	170	84	14280
011 4.25 Gal	31.87	37	-1179.19
Gas 25 gel Min	150	103.5	15525.0
[발발 [독일] 22 H. H. H. H. H.	2911.87	and the second s	247710.61

Most foward C.G. 247710.61/ 2911.87= 85" Aft Datum line MOST REARWARD C.G. LOCATION

Basic aircraft	2560	85.	.58	219084-80
011 4.25 Gal	31.	.87 37		-1179.19
Pilot, Pass	340	84		28560
Pass three(3)	510	120	2000	43470
Gass 70Gal	420	103.	·5	43470

3861.87 351135.71 Most marward C.G. 351135.71/3861.87 =90.9" Aft datum line

Items Bendix Radio, ADF control ADF Receiver ADF Inverter removed by persons side of and were not in aircraft at time of weighing

Recovered accordance CAH 18 Ref. Sect.18.30(b) (5) (1)

B. B. GOVERNMENT PRINTING OFFICE ..... 16-84DIC

<sup>\*</sup>If additional space is needed attach additional sheets bearing aircraft nationality and registration mark and date work completed.

Oheek block if additional sheets are attached.

U. S. DEPARTMENT OF COMMERCE CIVIL AERONAUTICS ADMINISTRATION	THE PART OF THE PA
APPLICATION FOR AIRWORTHINESS CE AND/OR ANNUAL INSPECTION OF AN	KLIKICALE - Flease brint for type: Submit this form to
I. TYPE OF APPLICATION (Chect-which)	
E C ORIGINAL ISSUANCE OF CERTIFICATE	4. TRECERTIFICATION UNDER THE PROVISIONS OF CAR 8
b. & ANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE	. MULTIPLE CERTIFICATE UNDER THE PROVISIONS OF CAR 8
€ ☐ AMENDMENT OR MODIFICATION OF CURRENT CERTIFICAT	TE LO
. AIRWORTHINESS CLASSIFICATION (Catt appropriate	e Hem (a))
It is requested that the Certificate of Airworthiness i worthiness classification(s):	be issued to permit operation of the aircraft in the following air-
. E STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT C	CATEGORIES)
b. LIMITED (SEE CAR 0)	'이 보는 그는 이 이렇게 하면 하는 다양, 호텔을 맞추어 되었다.
c. RESTRICTED (SEE CAR 8)	
(Check the restricted special purpose operation(s) to be conducted)	얼마이 (# 요즘 현실이는 는 전환 45 등 보통 #10 ) 입급 <b>(</b> #
AGRICULTURAL AND PEST CONTROL	☐ PATROILING
☐ AERIAL ADVERTISING	- FOREST AND WILDLIFE CONSERVATION
☐ AERIAL SURVEYING	☐ WEATHER CONTROL
GLIDER TOWING	OTHER
d. EXPERIMENTAL	조마 그릇 잔잔에 보기 들어 있는 그는 그들을 이루고 마르네요
(Check the type of experimental operation(s) to be conducted)	보다는 그는 생이 이름이 들어나는 그리고 있다. 나는 하는 살이
RESEARCH AND DEVELOPMENT	☐ RACING
☐ AMATEUR-BUILT	☐ EXHIBITION
☐ DEMONSTRATION	☐ OTHER
	<u>입하다. 그리 경기 교통 병하는 하는 하는 속 반으면 걸 걸 하다. 혹은 하는</u>
AIRCRAFT IDENTIFICATION (Complete all items)	
AIRCRAFT MAKE     b. AIRCRAFT MO	DDEL c. AIRCRAFT SERIAL NO.
Stinson V-77	그 교회에는 경우 본 전 시간 아니라 나는 그 말이 들어 가는 일을 다 난 하는 것.
Consolidated Vultee	77-143
d. ENGINE MAKE	e ENGINE MODEL
Lycoming	
	R-680-E3B
AIRCRAFT REGISTRATION INFORMATION (Complete	cte all Hems)
B. REGISTERED OWNER'S FULL NAME	b. PERMANENT MAILING ADDRESS c. AIRCRAFT NATIONALITY AND REGISTRATION MAI
Mercy Flights Incorporated	Box 522
Erron THOOT DATE ORD	그는 그 나는 그는 그는 집에도 그를 가장 하는 것이 되었다. 그는 그는 그는 그는 그는 그는 그는 그를 모르는 것이 되었다.
트레트로 그리는 발발하다는 얼마나 되는 그 말라. 무슨 말라고하다고 되는다.	1 Waddela A. 1
	Medford, Oregon N_50227
	Medford, Oregon N_50227
	Medford, Oregon50227
	Medford, Oregon 150227
AIRCRAFT OWNER'S CERTIFICATION (Check and comp	plete appropriate ilem)
AIRCRAFT OWNER'S CERTIFICATION (Check and comp	plete appropriate ilem)
AIRCRAFT OWNER'S CERTIFICATION (Check and comp I hereby certify that I am the registered owner ( registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide	piete appropriate item) (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ence of registration:
AIRCRAFT OWNER'S CERTIFICATION (Check and comp. I hereby certify that I am the registered owner (registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide.  CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A).	pies appropriate item)  (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ance of registration:
AIRCRAFT OWNER'S CERTIFICATION (Chect and comp I hereby certify that I am the registered owner ( registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART 8). b. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART 8).	piete appropriate item) (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ance of registration:  OATE OF ISSUE  D. FORM ACA-SO, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH.
AIRCRAFT OWNER'S CERTIFICATION (Check and comp.  I hereby certify that I am the registered owner ( registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide a.  CERTIFICATE OF REGISTRATION, FORM ACA-SOD (PART A).  B. PAPLICATION FOR REGISTRATION FORM ACA-SOD (PART B) w-300 ON NOV. 24. 1953. See not	picts appropriate item) (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ence of registration:  OATE OF ISSUE.  D. FORM ACA-SOO, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, the COUNTY OF THE PROPRIES
AIRCRAFT OWNER'S CERTIFICATION (Check and comp.  I hereby certify that I am the registered owner ( registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide a. CERTIFICATE OF REGISTRATION, FORM ACA-SOM (PART A).  B. APPLICATION FOR REGISTRATION FORM ACA-SOM (PART B) w-300 ON NOV. 24. 1953 See not	piete appropriate item)  (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ance of registration:  OATE OF ISSUE  D. FORM ACA-SO, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, the Copy of request for duplicates.
AIRCRAFT OWNER'S CERTIFICATION (Check and comp I hereby certify that I am the registered owner ( registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide a.  CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A).  W-500 ON NOV. 24. 1953 SOO not COATE). CALLER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DA	picts appropriate item) (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ence of registration:  OATE OF ISSUE.  D. FORM ACA-SOO, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, the COUNTY OF THE PROPRIES
AIRCRAFT OWNER'S CERTIFICATION (Check and comp I hereby certify that I am the registered owner ( registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide a.  CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A).  W-500 ON NOV. 24. 1953 SOO NOT COATE). C.  DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DA	piete appropriate item)  (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ance of registration:  OATE OF ISSUE  D. FORM ACA-SO, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, the Copy of request for duplicates.
AIRCRAFT OWNER'S CERTIFICATION (Chect and comp I hereby certify that I am the registered owner (registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide and composition of the composition of	piete appropriate item)  (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ance of registration:  OATE OF ISSUE  D. FORM ACA-SO, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, the Copy of request for duplicates.
AIRCRAFT OWNER'S CERTIFICATION (Check and comp I hereby certify that I am the registered owner ( registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide a.  — CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A). b.  — APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B). W-300 ON NOV. 24. 1953 SOO not 0.  — DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DA  "Under to be aligible for registration an alreraft must be owned by a cilisent of the United States, as admined by Societion I (18) of the Civil Aeronauties Act of 1988, as empaded.	piete appropriate item)  (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ance of registration:  OATE OF ISSUE  D. FORM ACA-SO, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, the Copy of request for duplicates.
AIRCRAFT OWNER'S CERTIFICATION (Check and comp I hereby certify that I am the registered owner ( registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide a.  CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A). b. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART S). W-300 ON NOV. 24. 1953 See not c. DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DA  *In order to be eligible for registration an aircraft must be owned by a ditien of the United States, as defined by Section 1(38) of the Civil Aeronautics Act of 1938, as emanded.  TTACHMENTS (Check which)  ACA-319 M WEIGHT AND, BALANCE REPORT	piete appropriate item)  (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ance of registration:  OATE OF ISSUE  D. FORM ACA-SO, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, the Copy of request for duplicates.
AIRCRAFT OWNER'S CERTIFICATION (Check and comp I hereby certify that I am the registered owner ( registered* with the Civil Aeronautics Administration or 502 and when operated displays the following evide a.  — CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A). b.   APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B). W-500 ON NOV. 24. 1953 SOO not c.  — DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DA  "The owned by a cities of the United States, as defined by Section I (18) of the Civil Aeronauties Act of 1938, as empadied.  TTACHMENTS (Check which)	picts eppropriate tem) (or his agent) of the aircraft identified in Item 3 above which is as required by the Regulations of the Administrator, Part 501 ence of registration:  OATE OF ISSUE  O. FORM ACA-SOO, FART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, the Copy of request for duplicat ARED  Reg. Cert. Attached.

عاد المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم ا	المعتري والمرافق والبيع المراجع كالمراجع والمؤاخرين	and the state of t	a larger than the second secon
	RTMENT OF COMMER		
AIRCRAFT (To be completed by a CAA	INSPECTION REF		
'he aircraft described in Item 3 on the reverse of thi	s form has been inspect	ed and found to conforn	to the following:
Check and complete applicable Items)			
AIRCRAFT AND ENGINE CERTIFICATION BASI		COA CONTRACTOR	
a. A AIRCRAFT SPECIFICATION NO. A-774	HROUGH SHEET REVISION IL		하하다 하면 하는 생활되다.
b. AIRCRAFT LISTING PAGE NO.  © RI AIRWORTHINESS DIRECTIVE SUMMARY 1954	THROUGH CARD NO.	76	
a. ☐ CIVIL AIR REGULATION PART 8 (MODIFIED TYPE CERT	E INKOUGH CARD NO.		
A. CIVIL AIR REGULATION PART 8 (MODIFIED TIPE CERT	(FICALE)		
. AIRCRAFT AND ENGINE OPERATING RECORD	s	The state of the s	parisan da Parisa
A. AIRCRAFT NEW-NO PREVIOUS OPERATION OR MAINTE	NANCE HISTORY		
b. X COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIREC		요하면 되는 얼마 살아 봤다.	
C. X AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEE	N OPERATED A TOTAL OF _	583:59 HOURS	
AN ENGINE RECORDS INDICATE THE FOLLOWING OPERATI			
SERIAL NO. 4713	TOTAL HOURS 344:2	59	
SERIAL NO.	TOTAL HOURS		
SERIAL NO.	TOTAL HOURS		
SERIAL NO.	TOTAL HOURS	<u> </u>	
, PREVIOUS INSPECTION RECORD (INSPECTION		M ACA-319)	<u>Ş</u>
B. LAST AIRWORTHINESS INSPECTION CONDUCTED AU	2 3 1954		
BY AIRCRAFT MANUFACTURER	(unity)		~ ?
BY APPROVED REPAIR STATION, CERTIFICATE N	0.		Ö
By MECHANIC, CERTIFICATE NO. E34927		မွဲရှိ	
b. I PERIODIC AIRCRAFT INSPECTION REPORT, FORM ACA-	319, WAS RETURNED TO OWN	7-300 2000 ER	37
AIRWORTHINESS DOCUMENTS ISSUED OR RE	VIEWED		<del></del>
	and the state of t	S .	
. OPERATION LIMITATIONS, FORM ACA-309, WAS ISSUED		Ē	至
b. E CURRENT OPERATION LIMITATIONS, FORM ACA-309, IS	and the control of th		
CURRENT APPROVED AIRPLANE FLIGHT MANUAL IS AV			
4 X CURRENT WEIGHT AND BALANCE INFORMATION IS AV			
THIS INSPECTION HAS BEEN RECORDED IN THE AIRCR		58	
1. X CERTIFICATE OF AIRWORTHINESS, FORM ACA-1352, ISS	8-5-54	(DATE)	
g. E PREVIOUS FORM ACA-1362 WAS ISSUED TO EXPIRE	(DATE)4-257:	-90	발생님들이 그리다.
(NAME OF ISSUING REPRESENTATIVE)	(DESIGN	ATION NO.)	
CAA APPROVED REPAIR STATION CERTIFICA	TION		
The aircraft described on the reverse has been	inenested under the an	thority accorded certific	ested renair station
No by CAR 52 and was found	to be		
AIRWORTHY			
UNAIRWORTHY		<u>(1) selam perflepski da</u>	The transfer of the plant
그들은 이 몇 명 명인 병이 스크랑랑에 사랑 이름다	(REPAIR STATION AUTHORIZED SI	GNATURE)	(DATE)
6. CAA REPRESENTATIVE CERTIFICATION			
I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE REVE	ERSE AND FOUND IT 📆 AI	RWOHTHY UNAIRWORTH	HY.
DESIGNEE'S SIGNATURE	DESIGNATION NO.	DATE	
J. O. Hamaker	7341	8-9-54	<u> </u>
AVIATION SAFETY AGENT'S SIGNATURE	CAA DESIGNATION NO.	DATE	ACCEPTED
		8-25-54	REINSPECTED
Housed Q. Jane	LA4-257-22	1 0 - 40 -0 1	SPOT CHECKED

Form ACA-8050 (11-51)

RCRAFT	REGIS'	TRY	~~
CAMERA NO.	5 N	DATE:	4-15-85

100			(S)		***			
Form ACA- (11-3-40)	887			PARTMENT OF COMM AERONAUTICS ADMINIS			Budget Bureau Approval expire	No: 41-R052.1. as December 81, 1948.
REF	AIR AN	ID <sup>1</sup> ALTERATIO	N FORM	(AIRCRAFT, PRO	PELLE	RS, ENGINE	s, instrum	IENTS)
(A) For (B) For subn (C) For	an Aircra a Compo nit as desc a Spare ( oved, reta	Instrument, as follows:  Installed in installed in installed in (A) above Component.— Cordin both copies of the control of the copies of the c	ms 1, 2, 8n, 4 an Aircraft  applete items his form with	duplicate each time s , 5, 6, and 7, and subm .—Complete items 1, 2 8 (b, c, or d), 5, and 6, the component until i which will then forwar	nit to CA. 2, 8 (b, c, and subminstallation	A representative or d, whichever nit to CAA represent on an aircraft.	for approval, is applicable), described applicable appl	, 5, and 6, and
1. AIRCRAFT	MAKE S	tinson		MODEL 1-77		77-143	CAA IDENTI	FICATION MARK
2. OWNER		rret, middle, lost) y Flights,	Inc.	ADDRESS (Street and n Box 522)		ord ord Oreg	on	•
3, FILL IN I	NFORMA	TION IN THIS ITE	M ONLY FO	R THE UNIT REPAIR	RED AND	OR ALTERED		
TINU		MAKE		MODEL	SE	RIAL NO.	MATURE OF	WORK (Check) -
a. AIRCRAF	T ~	***************************************	OOO (As descri	ed in item I above) 10000	******	*******	1.	1 2
6. PROPELLER BLADE OR HUB							4	
c. ENGINE				1				
d. INSTRUMEN		IND MANUFACTURE	RL .					
	completed			ir or alteration agency d in an aircraft. At th				
4. AIRCRAFT		WEIGHT (Pounds)* 1	EMPTY CEN	TER OF GRAVITY (Inc	ches from date		LOAD (Pounds)*	
		iterations described below				<del></del>	<del></del>	<del></del>
	AGENCY NUFÁCTUR			OR ALTERATIONS (C		(Specify)	CERTIFIED	MECHANIC
	NAME	1.000	ADE	RESS (Street and number, c	ity, sone, and	State)	DATE WOR	K ACCOMPLISHED
6. AGENCY	0-4	h Aircraft	800	Medford, Or		11.7 11.1	8-3	
ITS ASSO	The weigh	WORK ACCOMPCIVIL AERONAUT REPORT IDENTIFICATION TO LOWING TO RADIO AD REGIO AD	LISHED IN ICS MANUA TION MARK.) equipme ations F contr	ACCORDANCE WITH LIS. (IF MORE SPACE of each piece of each piece ol, ADF receiv fire wall to	PART I	reverse endix radi	IL AIR REGU REVERSE OR AT Of this o with M or and B	LATIONS AND TACH SEPARATE ID PM for EX-Sig, attery
				<u> </u>				
I CERTIFY	lint the a	bove statements ar	e true and ou	rrect to the best of my	knowledi	ge.	8-3-	r.a.
		R. Bellah		A&E 100440		ratina)		Date)
<del></del>	(151Enurato)		ARE COMT	LETED BY CAA RE				
APPROV		SIGNATURE OF	Hamaker	-		NO. 7341	DATE 8*9*	54
FORWARDS ENGINEER	ED FOR	SIGNATURE OF		LA4-257-2	12	ACCEPTED REINSPECTE	DATE	7-54

, de la librar de la companya de la companya de la companya de la companya de la companya de la companya de la La companya de la co	Was Like	r an an India by a state.	Momen <b>t</b>
Item Aircraft empty	Weight 2638.125	Arm 85.5	225559 <b>-</b> 688 <sub>a</sub>
Battery	41.000	185.375	7599 375
Battery	#/21.000	38,000	-1458,000
Bendix radio	7.500	61.050	460.875
Max-Sig	1.000	61.000	61.000
G. E. Radio	10.500	75.000	787.500
ADF Control	10.000	74.000	740.000
ADF Receiver	65.000	147.500	9587-500
ADF Inverter	25.000	185,200	4630,000
	2757.125		247967.938

New empty Weight 25 2787.125

New empty C. G. 89.94

RECEIVED
SEP 7 | 37 PH 154
ADDITION RECONDS DELINER

U. S. DEPARTMENT OF COMMERCE	ं विश्व	Form Approved. B	adget Burend No. 41-R011.5.
CIVIL AERONAUTICS ADMINISTRATION APPLICATION FOR AIRWORTHINESS CERT AND/OR ANNUAL INSPECTION OF AN AIR		Please print or type.	RUCTIONS Submit this form to the almistration Aviation Safety
TYPE OF APPLICATION (Check which)			
□ ORIGINAL ISSUANCE OF CERTIFICATE      □ ANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE      □ AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE		KTIFICATION UNDER THE PROPERTY INDER THE	
AIRWORTHINESS CLASSIFICATION (Check appropriate then It is requested that the Certificate of Airworthiness be i worthiness classification(s):		nit operation of the airc	raft in the following air-
A STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CATE	GORIES)		
b. [ LIMITED (SEE CAR 9)			
c. RESTRICTED (SEE CAR 8)			
(Check the restricted special purpose operation(s) to be conducted)	-		
AGRICULTURAL AND PEST CONTROL  AERIAL ADVERTISING	☐ PATRO	ILLING T AND WILDLIFE CONSERVA	rion
☐ AERIAL ADVERTISING ☐ AERIAL SURVEYING	A CONTRACT OF THE	T AND WILDLIFE CONSERVA IER CONTROL	IIOn
GLIDER TOWING	OTHER		
d. Experimental		Grand Salaria	
(Check the type of experimental operation(s) to be conducted)			
RESEARCH AND DEVELOPMENT	☐ RACIN		
AMATEUR-BUILT	☐ EXHIB		
☐ DEMONSTRATION	OTHE		
d engine make  Lycoming 300 hp.	e. ENGINE N	(5022) R-680-E3B	777-173 ala
AIRCRAFT REGISTRATION INFORMATION (Complete to m. REGISTERED OWNER'S FULL NAME		NT MAILING ADDRESS	- AIDCDAFT NATIONALITY
Merle Wayne Hall	1630	Grant St.	L AIRCRAFT NATIONALITY AND REGISTRATION MARK U.S. N-50227
현 시간 등로 보고 하고 있다. 그 말이 되고 말로 해야 보다 생생님이 보고 보고 있는 것이다.			
AIRCRAFT OWNER'S CERTIFICATION (Check and complete I hereby certify that I am the registered owner (or registered* with the Civil Aeronautics Administration as or 502 and when operated displays the following evidence	his agent) of required by	the aircraft identified i the Regulations of the on:	n Item 3 above which is Administrator, Part 501
E. ☐ CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A). D.     D. ☐ APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B). E     W-300 ON	ATE OF ISSUE FORM ACA-500, F		MIRCRAFT RECORDS BRANCH,
a. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART A). Did b. APPLICATION FOR REGISTRATION FORM ACA-500 (PART B). If W-300 ON (DATE) c. Dealer's Registration Certificate. Form ACA-1707, Date  "In order to be eligible for registration an aircraft must be owned by a citizen of the United States, as defined by Section 1 (18) of the Olvil Acronautics Act of 1038, as amended.	ATE OF ISSUE FORM ACA-500, F		AIRCRAFT RECORDS BRANCH
a. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART A). DA b. APPLICATION FOR REGISTRATION FORM ACA-500 (PART B). E W-300 ON (DATE) c. DEALER'S REGISTRATION CERTIFICATE. FORM ACA-1707, DATE  "In order to be eligible for registration an aircraft must be owned by a citizen of the United States, as defined by Section 1 (18) of the Oleil Acronautics Act of 1038, as amended.  TTACHMENTS (Check which)	ATE OF ISSUE FORM ACA-500, F		MIRCRAFT RECORDS BRANCH,
a. APPLICATION FOR REGISTRATION, FORM ACA-S00 (PART A). DA b. APPLICATION FOR REGISTRATION FORM ACA-S00 (PART B). E W-300 ON c. DEALER'S REGISTRATION CERTIFICATE. FORM ACA-1707, DATE  "In order to be eligible for registration an alreaft must be owned by a citizen of the United States, as defined by Section 1 (18) of the Olvil Advantanties Act of 1998, as amended.  TTACHMENTS (Check which)  ACA-319	ATE OF ISSUE FORM ACA-500, F	ART A, FORWARDED TO CAA	MIRCRAFT RECORDS BRANCH,
a. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART A). DA b. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B). E W-300 ON c. DEALER'S REGISTRATION CERTIFICATE. FORM ACA-1707, DATE  In order to be eligible for registration an aircraft must be owned by a citizen of the United States, as defined by Southen 1 (18) of the Civil Acronautics Act of 1038, as amended.  TTACHMENT'S (Check walch)  ACA-319 WEIGHT AND BALANCE REPORT  ACA-317 DATA. DRAWINGS. ETC.	ATE OF ISSUE FORM ACA-500, F	ART A, FORWARDED TO CAA	

		3.00 P.
CIVI	DEPARTMENT OF COMMERCE L AERONAUTICS ADMINISTRATION	
AIRCE (To be completed by c	AFT INSPECTION-REPORT	pa <b>ir stá</b> ilón)
he aircraft described in Item's on the reverse Acce and complete applicable the may AIRCRAFT AND ENGINE CERTIFICATION	BASIS	ound to conform to the following
a. ☐ AIRCRAFT SPECIFICATION NO. ☐ -774  B. ☐ AIRCRAFT LISTING PAGE NO.		
a. AIRWORTHINESS DIRECTIVE SUMMARY 95	2 THROUGH CARD NO. <u>33-</u> YEAR) THROUGH CARD NO. <u>33-</u>	
AIRCRAFT AND ENGINE OPERATING REC		
. AIRCRAFT NEW-NO PREVIOUS OPERATION OR I	DIRECTIVES RECORDED	
A PART ARECORDS INDICATE THE AIRFRAME H	IAS BEEN OPERATED A TOTAL OF 4445	45 HOURS
SERIAL NO. 4713	TOTAL HOURS 197:10	
SERIAL NO.	TOTAL HOURS	
SERIAL NO.	TOTAL HOURS	
PREVIOUS INSPECTION RECORD (INSPEC	TION RECORDED ON FORM ACA-31	9)
LAST AIRWORTHINESS INSPECTION CONDUCTED	7-9-53 (MIE)	
BY AIRCRAFT MANUFACTURER		면 많다. 그리 하이 사람이다
BY APPROVED REPAIR STATION, CERTIFIC	ATE NO.	
BY MECHANIC, CERTIFICATE NO. HE	- 1021032	
PERIODIC AIRCRAFT INSPECTION REPORT, FORM	ACA-319, WAS RETURNED TO OWNER	
AIRWORTHINESS DOCUMENTS ISSUED O		<u> </u>
		사용 성의 존속 프리지 않는다.
DOPERATION LIMITATIONS, FORM ACA-309, WAS IS	SSUED (COPY ATTACHED)	-
CURRENT OPERATION LIMITATIONS, FORM ACA-	809, IS AVAILABLE IN AIRCRAFT	10 E C
CURRENT APPROVED AIRPLANE FLIGHT MANUAL	IS AVAILABLE IN AIRCRAFT	88 N
CURRENT WEIGHT AND BALANCE INFORMATION	IS AVAILABLE IN AIRCRAFT	7 51 S2°
THIS INSPECTION HAS BEEN RECORDED IN THE	URCRAFT RECORDS	
CERTIFICATE OF AIRWORTHINESS, FORM ACA-136	2. ISSUED TO EXPIRE 0-5-5	3 5 5
PREVIOUS FORM ACA-1362 WAS ISSUED TO EXPIRED	E 8-22-53 (DATE)	- E &
BY T. W. HOHLEN	(BATE) 3608 (DESIGNATION NO.)	
CAA APPROVED REPAIR STATION CERTIF	ICATION	
The aircraft described on the reverse has b	een inspected under the authority account to be:	corded certificated repair station
AIRWORTHY		
UNAIRWORTHY	(REPAIR STATION AUTHORIZED SIGNATURE)	(DATE)
CAA REPRESENTATIVE CERTIFICATION		unter
HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE	REVERSE AND FOUND IT AIRWORTHY (Check appr	UNAIRWORTHY
	(Check appr	opriale ilem)
DESIGNEF'S SIGNATURE	DESIGNATION NO. DATE	
AVIATION SAFETY AGENT'S SIGNATURE	CAA DESIGNATION NO: DATE	ACCEPTED
		17
Harald a land	4-257-22 8-4	REINSPECTED
Harried Q. Lone	_ 4-257-22 8-s	S-53 ☐ REINSPECTED

U. S. DEPARTMENT OF COMMERCE	Form Approved. Budget Bureau No. 41-R041.A.
CIVIL AERONAUTICS ADMINISTRATION  PPLICATION FOR AIRWORTHINESS CERTIFICATI	INSTRUCTIONS  Please print or type. Submit this form to the
AND/OR ANNUAL INSPECTION OF AN AIRCRAFT	Civil Aeronautics Administration Aviation Safet Field Representative.
TYPE OF APPLICATION (Clack which)	
a. ☐ ORIGINAL ISSUANCE OF CERTIFICATE a. ☐ RE	CERTIFICATION UNDER THE PROVISIONS OF CAR 8
	ULTIPLE CERTIFICATE UNDER THE PROVISIONS OF CAR 8
. AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE L	
AIRWORTHINESS CLASSIFICATION (Check appropriate item(b)) It is requested that the Certificate of Airworthiness be issued to providings classification(s):	permit operation of the aircraft in the following air-
. T STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CATEGORIES)	그리는 물리하면 그는 그 아이지 그 그릇을 하였다.
b, ☐ LIMITED (SEE CAR 9)	일시는 말이 되면 가장 보다 이 생각이 되고 바다가요
c. ☐ RESTRICTED (SEE CAR 8)	
(Check the restricted special purpose operation(s) to be conducted)	
☐ AGRICULTURAL AND PEST CONTROL ☐ PA	TROLLING
	REST AND WILDLIFE CONSERVATION
	EATHER CONTROL
☐ GLIDER TOWING ☐ OT	THER
d. ☐ EXPERIMENTAL	그를 다른 경우 그를 만들었다면 가르다고 말
(Check the type of experimental operation(s) to be conducted)	
RESEARCH AND DEVELOPMENT	ACING
☐ AMATEUR-BUILT ☐ F)	KHIBITION
☐ DEMONSTRATION ☐ O	
	있으러 보는 사람들이 있는 이 기업생활을 통하는 보자를 가면 되었다. 보고 있다.
AIRCRAFT IDENTIFICATION (Complete all items)	
B. AIRCRAFT MAKE b. AIRCRAFT MODEL	c. AIRCRAFT SERIAL NO.
Cons. Vultee	77-143
Golds. 142000	
	NE MODEL
Odis. 14100	
d. ENGINE MAKE Lycoming	NE MODEL
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all Mems)	NE MODEL R-680E3B
d. ENGINE MAKE  Lyooming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)	NE MODEL
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)  a. REGISTERED OWNER'S FULL NAME  b. PERM	NE MODEL  R -680E3B  LANGUAGE C. AIRCRAFT NATIONALITY AND REGISTRATION MARI
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all Hems)  a. REGISTERED OWNER'S FULL NAME  Waldon B. Leitz  62	R-680E3B  AMENT MAILING ADDRESS  C. AIRCRAFT NATIONALITY AND REGISTRATION MARI N-50227
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all Hems)  a. REGISTERED OWNER'S FULL NAME  Waldon B. Leitz  62	R-680E3B  AMENT MAILING ADDRESS  C. AIRCRAFT NATIONALITY AND REGISTRATION MARI
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  62	R-680E3B  AMENT MAILING ADDRESS  - AIRCRAFT NATIONALITY AND REGISTRATION MAR  56 Mitchell Ave.  N-50227
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  62	R-680E3B  AMENT MAILING ADDRESS  C. AIRCRAFT NATIONALITY AND REGISTRATION MARI N-50227
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  63  B3	R-680E3B  AMENT MAILING ADDRESS  S6 Mitchell Ave.  Lllings; Montana
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  62  Bi	R-680E3B  ANENT MAILING ADDRESS  S6 Mitchell Ave.  11lings Montana  S6 Mitchell Ave.
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  63  Bi  AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate  I hereby certify that I am the registered owner (or his agent registered* with the Civil Aeronautics Administration as required or 502 and when operated displays the following ovidence of regist	R-680E3B  AMENT MAILING ADDRESS  S Mitchell Ave.  11lings? Montana  **Combon of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 tration:
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all thems)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  62  Bi  AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate  I hereby certify that I am the registered owner (or his agent registered* with the Civil Aeronautics Administration as required or 502 and when operated displays the following ovidence of regist  a.   CRITIFICATE OF REGISTRATION, FORM ACA-500 (PART A). DATE OF ISSU	R-680E3B  C. AIRCRAFT NATIONALITY AND REGISTRATION MAR  S.6 Mitchell Ave. Lilings? Montana  Wern  Of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 tration:
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)  a. REGISTERED OWNER'S FULL NAME  Nalden B. Leitz  AIRCRAFT OWNER'S CERTIFICATION (Check and complete apprepriate  1 hereby certify that I am the registered owner (or his agent registered* with the Civil Aeronautics Administration as required or 502 and when operated displays the following ovidence of regist  a.  CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A), DATE OF ISSI  b. MAPPLICATION FOR REGISTRATION, FORM ACA-500 (PART B), FORM ACA-	R-680E3B  AMENT MAILING ADDRESS  6 Mitchell Ave. Lilings? Montana  10 of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 are the contraction:
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all Hems)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate I hereby certify that I am the registered owner (or his agent registered* with the Civil Aeronautics Administration as required or 502 and when operated displays the following ovidence of regist and Certificate of REGISTRATION, FORM ACA-500 (PART A), DATE OF ISSI B. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B). FORM ACA-500 (PART B). FORM ACA-500 (PART B). FORM ACA-500 (PART B). FORM ACA-500 (PART B). FORM ACA-500 (PART B). FORM ACA-500 (PART B).	R-680E3B  AMENT MAILING ADDRESS  6 Mitchell Ave. Lilings? Montana  10 of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 are the contraction:
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)  a. REGISTERED OWNER'S FULL NAME  Nalden B. Leitz  AIRCRAFT OWNER'S CERTIFICATION (Check and complete apprepriate  I hereby certify that I am the registered owner (or his agent registered* with the Civil Aeronautics Administration as required or 502 and when operated displays the following ovidence of regist  a.  CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A), DATE OF ISSI  b. FARPLICATION FOR REGISTRATION, FORM ACA-500 (PART B), FORM ACA-5	R-680E3B  AMENT MAILING ADDRESS  6 Mitchell Ave. Lilings? Montana  10 of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 interests.
d. ENGINE MAKE  Lyo oming  AIRCRAFT REGISTRATION INFORMATION (Complete all thems)  REGISTERED OWNER'S FULL NAME  Walden B. Leitz  62  Bi  AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate I hereby certify that I am the registered owner (or his agent registered* with the Civil Aeronautics Administration as required or 502 and when operated displays the following ovidence of regist  a.  CRITIFICATE OF REGISTRATION, FORM ACA-500 (PART A), DATE OF ISSI  B. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B), FORM ACA- W-300 ON August 22, 1952  c.  DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DATED	R-680E3B  AMENT MAILING ADDRESS  6 Mitchell Ave. Lilings? Montana  10 of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 are the contraction:
d. ENGINE MAKE  Lyo oming  AIRCRAFT REGISTRATION INFORMATION (Complete all thems)  REGISTERED OWNER'S FULL NAME  Walden B. Leitz  62  Bi  AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate I hereby certify that I am the registered owner (or his agent registered* with the Civil Aeronautics Administration as required or 502 and when operated displays the following ovidence of regist  a.  CRITIFICATE OF REGISTRATION, FORM ACA-500 (PART A), DATE OF ISSI  B. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B), FORM ACA- W-300 ON August 22, 1952  c.  DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DATED	R-680E3B  AMENT MAILING ADDRESS  6 Mitchell Ave. Lilings? Montana  10 of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 are the contraction:
d. ENGINE MAKE  Lycoming  AIRCRAFT REGISTRATION INFORMATION (Complete all items)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate  I hereby certify that I am the registered owner (or his agent registered with the Civil Aeronautics Administration as required or 502 and when operated displays the following evidence of regist  a. Certificate of Registration, form ACA-500 (PART A), DATE OF ISSI  b. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B). FORM ACA-500 (PART B).	R-680E3B  AMENT MAILING ADDRESS  6 Mitchell Ave. Lilings? Montana  10 of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 are the contraction:
d. ENGINE MAKE  Lyo oming  AIRCRAFT REGISTRATION INFORMATION (Complete all thems)  REGISTERED OWNER'S FULL NAME  Walden B. Leitz  62  Bi  AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate I hereby certify that I am the registered owner (or his agent registered* with the Civil Aeronautics Administration as required or 502 and when operated displays the following ovidence of regist  a.  CRITIFICATE OF REGISTRATION, FORM ACA-500 (PART A), DATE OF ISSI  B. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B), FORM ACA- W-300 ON August 22, 1952  c.  DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DATED	R-680E3B  AMENT MAILING ADDRESS  6 Mitchell Ave. Lilings? Montana  10 of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 are the contraction:
AIRCRAFT REGISTRATION INFORMATION (Complete all thems)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate  I hereby certify that I am the registered owner (or his agent registered* with the Civil Aeronautics Administration as required or 502 and when operated displays the following ovidence of regist  a. Certificate of Registration, form ACA-500 (PART A), DATE OF ISSI  b. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B), FORM ACA-500 (	R-680E3B  CARCRAFT NATIONALITY AND REGISTRATION MARK  So Mitchell Ave.  Lilings? Montana  N-50227  Mem)  Of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 irration:  DE
d. ENGINE MAKE  Lyocming  AIRCRAFT REGISTRATION INFORMATION (Complete all thems)  a. REGISTERED OWNER'S FULL NAME  Walden B. Leitz  AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate properties of the complete appropriate of the complete appropriate of the complete appropriate of the complete appropriate of the complete appropriate of the complete appropriate of the complete appropriate of the complete of the compl	R-680E3B  AMENT MAILING ADDRESS  6 Mitchell Ave. Lilings? Montana  10 of the aircraft identified in Item 3 above which is by the Regulations of the Administrator, Part 501 irration:  11
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	ARTMENT OF COMMERC	Fig. 1	
	ONAUTICS ADMINISTRATIO	National Property of the Control of	
ATROPART	INSPECTION: REPO	ORT CONT	
(To be completed by a CAA	representative or appro	oved repair statio	n) -
he aircraft described in Item 3 on the reverse of th	is form lins been inspected	and found to conf	orm to the following:
Meck and complete applicable (tems) AIRCRAFT AND ENGINE CERTIFICATION BAS			
a. AIRCHAFT AND ENGINE CEA A-174	THROUGH SHEET REVISION NO.		
b. ☐ AIBCRAFT LISTING PAGE NO.		e en la compania de la compania de la compania de la compania de la compania de la compania de la compania de	
c. TAIRWORTHINESS DIRECTIVE SUMMARY 1952	THROUGH CARD NO		
d. ☐ CIVIL AIR REGULATION PART 8 (MODIFIED TYPE CERT			
. AIRCRAFT AND ENGINE OPERATING RECORE	os.		
B. AIRCRAFT NEW-NO PREVIOUS OPERATION OR MAINT			
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d. X ENGINE RECORDS INDICATE THE FOLLOWING OPERAT	TON-		
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. PREVIOUS INSPECTION RECORD (INSPECTIO	N RECORDED ON FORM	1 ACA-319)	별로 유민들은 모르는 것
a. LAST AIRWORTHINESS INSPECTION CONDUCTED A U	gust 22, 1952		어린 꿈빛이 얼마나다.
BY AIRCRAFT MANUFACTURER	(DATE)		
BY APPROVED REPAIR STATION, CERTIFICATE	NO.		
■ BY MECHANIC, CERTIFICATE NO	09539		
b. PERIODIC AIRCRAFT INSPECTION REPORT, FORM ACA	210 WAS DETLIBNED TO OWN	R	
b. PERIODIC AIRCRAFT INSPECTION REPORT, FORM ACC	(-315, WAS RETURNED TO OWN.		Lawrence Control of the Control
4. AIRWORTHINESS DOCUMENTS ISSUED OR R	EVIEWED	مسموق غيدا	
		mark to the same	
a. OPERATION LIMITATIONS, FORM ACA-309, WAS ISSUE	C AVAN ARIE IN AIRCRAFT		
CURRENT OPERATION LIMITATIONS, FORM ACA-309,	IS AVAILABLE IN AIRCRAFT		
c. CURRENT APPROVED AIRPLANE FLIGHT MANUAL IS	WAILABLE IN AIRCRAFT		
d. CURRENT WEIGHT AND BALANCE INFORMATION IS A	VAILABLE IN AIRCRAFT		
THIS INSPECTION HAS BEEN RECORDED IN THE AIRC	RAFT RECORDS	. 22.1953	
1. CERTIFICATE OF AIRWORTHINESS, FORM ACA-1362, I	SSUED TO EXPIRE 110505.	(DATE)	기 불빛 하는 그를 가고요
PREVIOUS FORM ACA-1362 WAS ISSUED TO EXPIRE	June 15 1505		
BY Lloyd C. Macrahin	(DESIGNA	TION NO.)	
5. CAA APPROVED REPAIR STATION CERTIFIC	ATION		
The aircraft described on the reverse has bee	Sugnested under the SH	thority accorded co	rtificated repair station
The aircraft described on the reverse has bee	d to be:		하늘이 다 만나들까 네.
No by CAR 52 and was foun	d to be.		
AIRWORTHY			
UNAIRWORTHY -	(REPAIR STATION AUTHORIZED ST	GNATURE)	(DATE)
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6. CAA REPRESENTATIVE CERTIFICATION	AND POUND IT INCH		WORINY
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I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE RE	DESIGNATION NO.	(Check appropriate iten	
I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE RE	DESIGNATION NO.		WORTHT DE LES CONTROL OF THE LES
DESIGNEE'S SIGNATURE T.W.HOHLEN		DATE	★ACCEPTED
I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE RE	DESIGNATION NO. 3608	DATE 8-22-52	
DESIGNEE'S SIGNATURE T.W.HOHLEN	DESIGNATION NO. 3608	DATE 8-22-52	[XACCEPTED

Form ACA-8058 (11-61)

APPLICATION FOR AIRWORTHINESS CERTIFICATE AND/OR ANNUAL INSPECTION OF AN AIRCRAFT  1. APPLICATION CHECK WHITTHEN    ORIGINAL AIRWORTHINESS CERTIFICATE   ANDICAL INSPECTION	and the second s	FOR AIRWORTHIN		1-		
GRIGHMAL AIRWORTHINESS CERVIFICATE  SAINUAL INSPECTION  AIRCRAFT  S. MATCRAFT  S. MATOMALITY AND REGISTRATION M. MEGISTRATION MEGISTRATION M. MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION MEGISTRATION		UAL INSPECTION (		RAFT	Please submit th	is form to the Civil Aeronautics
ANNUAL INSPECTION   EXPERIMENTAL   LIMITEO   OTHER    3. MAKE   Stinson   Stock   Stoc						
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Stinson  4. MODEL  V-77  ENGINE  1. ATTACHMENTS TCHECK WHICH)  ENGRA  Lycoming  9. OWNER'S NAME  Lycoming  10. (GIVE ADDRESS ONLY IF IT HAS BEEN CHANGED FROM TO GIVEN ON YOUR CERTIFICATE OF REGISTRATION, FOR ACA-393  LATTACHMENTS TCHECK WHICH)  ACA-317  DATA, DRAWINGS, ETC.  ACA-317  DATA, DRAWINGS, ETC.  ACA-307  ALRCRAFT INSPECTION REPORT  (I) ACA-305  AIRCRAFT INSPECTION REPORT  (CHECK AND COMPLETE APPLICABLE ITEMS)  AIRCRAFT USTING PAGE NO.  AIRCRAFT USTING PAGE NO.  AIRCRAFT INSUGH SHEET REVISION NO.  AIRCRAFT USTING PAGE NO.  AIRCRAFT INSUGH SHEET REVISION NO.  AIRCRAFT INSUGH SHEET REVISION NO.  AIRCRAFT INSTRUMENTHINESS DIRECTIVE SUMMARY  THROUGH SHEET REVISION NO.  AIRCRAFT INSUGH CARD NO.  AIRCRAFT INSUGH CARD NO.  AIRCRAFT INSUGH SHEET REVISION NO.  AIRCRAFT INSUGH SHEET REVISION NO.  AIRCRAFT INSUGH SHEET REVISION NO.  AIRCRAFT SPECIFICATION SIGNAL SAVALABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.  AIRCRAFT APPROVED, AIRCLARE FLIGHT MANUAL IS	ANNUAL INSPECTI	ON	<del></del>	<del></del>	ITEO U OT	HER
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ENGINE  S. MODEL  Lycoming  S. MODEL  GENER'S NAME  Lycoming  S. MODEL  GENER'S NAME  Kemperka Air Service, Inc.  10. General Address only if it has been changed from the Aca-350 your certificate of registration, for Aca-350 your certificate of registration, for Aca-350 your certificate of registration, for Aca-350 your certificate of registration, for Aca-350 your certificate of registration, for Aca-350 your certificate of Registration, for Aca-350 your certificate of Registration, for Aca-350 your certificate of Registration, for Aca-350 your certificate of Authorize Agent)  All Craft Inspection Report  (Content and Complete Agent (1711)  AIRCRAFT INSPECTION REPORT  (To be completed by CAA representatives)  AIRCRAFT INSPECTION REPORT  (CHECK AND COMPLETE APPLICABLE ITEMS)  Through sheet revision no.  AIRCRAFT Inspection No.  AIRCRA	Stinson				100	N50227
T. MAKE  Lycoming  S. MODEL  GROESB  10. (GINE ADDRESS ONLY IF IT HAS BEEN CHANGED FROM TO GROWN NOW YOUR CERTIFICATE OF REGISTRATION FOR ACA-500)  Water town, South Dakota  1. ATTACHMENTS CHECK WHICH)  ACA-319	4. MODEL	V-77				• Control of the cont
Lycoming  9. Owner's Name  Kampeska Air Service, InC.  10. (Give address only if it has been changed from to given no your certificate of registration. For aca-508)  Water town, South Dakota  11. Attachments check which)    Aca-319			ENC	INE		
S. OWNER'S NAME  Kampaska Ar Service, Inc.  10. (GIVEN DON'S SENTIFICATE OF REGISTRATION). FOR ACA-500)  Water town, South Dakota  11. ATTACHMENTS CHECK WHICH)  ACA-319 WEIGHT AND BALANCE REPORT  ACA-319 DATA, DRAWINGS, ETC.  ACA-317 DATA, DRAWINGS, ETC.  ACA-310 LINAPPROVED DEVIATION DATA  AIRCRAFT INSPECTION REPORT  (To be completed by CAA representatives)  3. It has been determined that the nicraft described in 305 above is in conformity with the following: (CHECK AND COMPLETE APPLICABLE ITEMS)  AIRCRAFT LISTING PAGE NO.  AUTHORITY AND ALL SAVAILABLE IN AIRCRAFT.  COUNTERED TO MANUAL IS AVAILABLE IN AIRCRAFT.  COUNTERED TO M	그 아이들은 살 살이 되었다.			8. MODEL		
Kampaska Air Service, Inc.    Concept   Concep		<b>48</b>				
ACA-319   WEIGHT AND BALANCE REPORT   COWNER OR AUTHORIZED AGENT)    ACA-317   DATA, DRAWINGS, ETC.   ACA-317   UNAPPROVED DEVIATION DATA   June 12,1951   Agent (TITLE)    ACA-317   UNAPPROVED DEVIATION DATA   June 12,1951   Agent (TITLE)    ACA-318   AIRCRAFT INSPECTION REPORT (To be completed by CAA representatives)  3. If has been determined that the aircraft described in 305 above is in conformity with the following: (CHECK AND COMPLETE APPLICABLE ITEMS)  a.   AIRCRAFT SPECIFICATION NO.   A 774   THROUGH SHEET REVISION NO.   1    b.   AIRCRAFT LISTING PAGE NO.   THROUGH SHEET REVISION NO.   1    c.   AIRWORTHINESS DIRECTIVE SUMMARY   1951   THROUGH CARD NO.   14    d.   OPERATIONS LIMITATIONS FORM ACA-309 IS AVAILABLE IN AIRCRAFT.    f.   CURRENT, APPROVED, AIRPLANE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT.    g.   ALL APPLICABLE NOTES, INSTRUMENT MARKINGS, AND PLACARDS HAVE BEEN COMPLIED WITH.    h.   CERTIFICATE OF AIRWORTHINESS FORM ACA-1362 WAS ISSUED.    FINDINGS  4.   AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    B.   AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLIED WITH.    AIRWORTHY   INSTRUMENT MARKINGS AND PLACARDS HAVE BEEN COMPLETED WITH MARKINGS AND PLACARDS HAVE BEEN	Kampeska Aix	Service, InC.		ACA-500)		
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ACA-337 DATA, DRAWINGS, ETC.  ACA-317 DATA DRAWINGS, ETC.  ACA-317 DATA DRAWINGS, ETC.  ACA-317 DATA DRAWINGS, ETC.  ACA-317 DATA DRAWINGS, ETC.  (OWNER OR AUTHORIZED AGENT)  AGENT  AGENT  (TITLE)  AGENT  AGENT  (TITLE)  AIRCRAFT INSPECTION REPORT  (To be completed by CAA representatives)  3. It has been determined that the nicrofit described in 305 above is in conformity with the following:  (CHECK AND COMPLETE APPLICABLE ITEMS)  A LIRCRAFT SPECIFICATION NO. A-774 THROUGH SHEET REVISION NO. 1  AIRCRAFT ISTING PAGE NO.  AIRCRAFT ISTING PAGE NO.  AIRCRAFT LISTING PAGE NO.  AIRCRAFT LISTING PAGE NO.  AIRCRAFT LISTING PAGE NO.  AIRCRAFT LISTING PAGE NO.  AIRCRAFT THROUGH SHEET REVISION NO. 14  THROUGH CARD NO. 14  AIRCRAFT SPECIFICATION S FORM ACA-309 ISSUED.  AIRCRAFT SPECIFICATION S FORM ACA-309 ISSUED.  THROUGH CARD NO. 14  AIRCRAFT SPECIFICATION S FORM ACA-309 ISSUED.  FINDINGS  AIRCRAFT INSPECTION NO. 17. DATE  June 12,1951  AIRCRAFT INSPECTION SIGNATURE  AIRCRAFT SPECIFICATION SIGNATURE  AIRCRAFT SPECIFICATION NO. 17. DATE  June 12,1951  AIRCRAFT INSPECTION NO. 17. DATE  JUNAL SPECIFICATION SIGNATURE  AIRCRAFT SPECIFICATION NO. 17. DATE  JUNE 12,1951  AIRCRAFT SPECIFICATION SIGNATURE  AIRCR	F1 ACA-319     W	FIGHT AND BALANCE REPORT				
AIRCRAFT INSPECTION REPORT (To be completed by CAA representatives)  3. If has been determined that the nicraft described in 305 above is in conformity with the following: (CHECK AND COMPLETE APPLICABLE ITEMS)  a. AIRCRAFT SPECIFICATION NO. 4-774 THROUGH SHEET REVISION NO. 1  b. AIRCRAFT SPECIFICATION NO. 4-774 THROUGH CARD NO. 1  d. OPERATIONS LIMITATIONS FORM ACA-309 ISSUED.  c. COPERATIONS LIMITATIONS FORM ACA-309 ISSUED.  FINDINGS  16. DESIGNATION NO. 17. DATE  June 12,1951  18. ANALYSIS SIGNATURE  D. COPERATION SAFETY AGENT'S SIGNATURE  D. COPERATION SAFETY					Thorn (	. Me Crelin
AIRCRAFT INSPECTION REPORT (10-6)  AIRCRAFT INSPECTION REPORT (To be completed by CAA representatives)  3. It has been determined that the aircraft described in 305 above is in conformity with the following: (CHECK AND COMPLETE APPLICABLE ITEMS)  a. AIRCRAFT SPECIFICATION NO. 4-774	∐ ACA-337 ∐ D	ATA, DRAWINGS, ETC.			(ow	NER OR AUTHORIZED AGENT)
AIRCRAFT INSPECTION REPORT  (To be completed by CAA representatives)  3. It has been determined that the nicraft described in 305 above is in conformity with the following:  (CHECK AND COMPLETE APPLICABLE ITEMS)  a. AIRCRAFT SPECIFICATION NO. A-774	☐ ACA-317 ☐ U	NAPPROVED DEVIATION DATA	June 12	2,1951	<u> </u>	gent
FINDINGS  FINDINGS  16. DESIGNATION NO.  17. DATE  Lloyd C.McCrehin  19. Aphation safety agent's signature  19. Paccepted  19.	b. ☐ AIRCRAFT LISTING  E. S AIRWORTHINESS I  D. ☐ OPERATIONS LIMI  D. ☐ CURRENT, APPROV  S S ALL APPLICABLE N	E PAGE NO.  DIRECTIVE SUMMARY. 1963  (VI)  TATIONS FORM ACA-309 ISSUED.  TATIONS FORM ACA-309 IS AVAII  JED, AIRPLANE FLIGHT MANUAL  OTES, INSTRUMENT MARKINGS,	LABLE IN AIRCRAFT IS AVAILABLE IN A	UGH CARD NO. I. JRCRAFT.		
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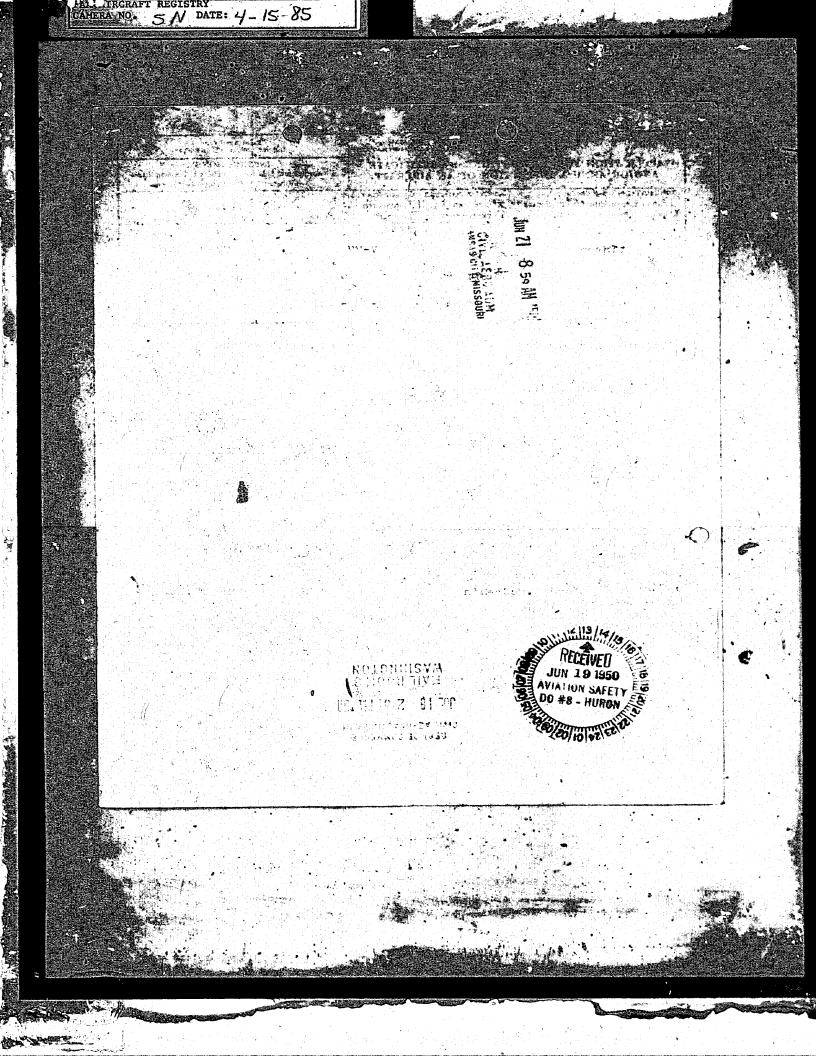


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Form.ACA-805 (12-47)	DEPARTMENT OF COM			A APPROVED REAU NO. 41-R041.3
APPLICATION FOR AIRWO AND/OR ANNUAL INSPEC		A TOTAL PLE	ase submit this for	RUCTIONS rm to the Civil Aeronautics Field Representative
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	AIRCI		I TVB	E CERTIFICATE NO.
	ACTURER'S SERIAL NO. 7-143	V-77		774
	ENG			
MAKE Lycoming		R-680-E3	<b>A</b> .	
owner's NAME  Kampeska Air Service			ress (Street and numb	
ATTACHMENTS (Chet which)	. I certify th	nat the above stat	ements are true.	
ACA-319 WEIGHT AND BALANCE RE	EPORT	s Pages	Po Do	mple
ACA-337 DATA, DRAWINGS, ETC.		/ 4	loyd C	Owner or authorized agent.
ACA-317 UNAPPROVED DEVIATION	DATA June 1	7,1950	A8	gent
	(DA			(TITEE)
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	FIND	nGS		als
	DREST Creking		5242	June 17,1950
	signature	77	ACCEPTED	DATE
( torna	v 13 Atrible	ed	REINSPECTED	Viene 19, 1950
REASON FOR DISAPPROVAL, OR R	EMARKS Hildicate if you have us	ed the reverse to continue	this or other item.)	Yes 😾 No
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				20-50 7-26-50 NWX
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ANNUAL INSPECTION OF MARCAST Please submit this form to the Civil Aeromatics Administration Field Representative.  APPLICATION (Cheek whether)  ORIGINAL AIRWORTHINESS CERTIF.  AND ANNUAL INSPECTION  MANE  CONSOLIDated Vultee  CONSOLIDated Vultee  WARE  CONSOLIDATION NO.  77-143  ENGINE  MANE  IVCOMING  WALE  FERNAMENT ADDRESS (Street and number. City. Zone and. State)  WATERWARM ADDRESS (Street and number. City. Zone and. State)  WATERWARM ADDRESS (Street and number. City. Zone and. State)  WATERWENTS (Cheek which)  ACA-301   WEIGHT AND BALANCE REPORT  ACA-302   Water Ada-301   STEELAL APPROVAS  ACA-303   STEELAL APPROVAS  ACA-303   STEELAL APPROVAS  ACA-303   WARPROVED DEVIATION DATA  ACA-304   WARPROVED DEVIATION DATA  BATE  FORM ACA-305 IFORWERLY ACA-301    CACA DECEMBER OF AIRWORTHINESS DIRECTION REPORT  IT HAS BEEN DETERMINED THAT THE AIRCRAFT DESCRIBED IN 305 ABOVE 15.15 CONFORMITY BITH THE FOLLOWING  ALL APPLICABLE MANDATORY NOTES, INSTRUMENT MARKINGS AND PLACANDING REQUIREMENTS HAVE BEEN COMPLIED  WITH STEEL   NO  (AIRCRAFT SPECIFICATION - AIRWORTHINESS DIRECTIVE, NOIS). A. 774-3 ADS thru 49-17  AUTHORITY FOR EXCEPTIONS (18 any)  FORM ACA-362, CERTIFICATE OF AIRWORTHINESS, ISSUED   ORIGINAL   May 7, 1949  DATE  FINDINGS  FINDINGS  FINDINGS  FINDINGS  FINDINGS  ARROWINT  CAN INSPECTION'S SIGNATURE  FINDINGS  FINDINGS  FINDINGS  ONTE  APPROVED AIRPLANE FLIGHT MANDAL IS IN THE AIRCRAFT  CAN INSPECTION OF A CACE-TOO OR CACE-TOO		All All ma	5 L	BUD	GET BURBAU	NO. 41-R041.3
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ENGINE  Lycoming OWNER'S NAME  PERMANENT ADDRESS (Street and number, City, Zone and Seate)  Kampesica Air Service  Watertown, South Dakota  'TACHMENTS (Checa which) JACA-319   Weight and Balance Report  ACA-319   Special Approvaces ACA-327   Special Approvaces ACA-307   Special Approvaces ACA-307   Special Approvaces ACA-307   ONAMINGS, ETC. ACA-317   UNAPPROVED DEVIATION DATA  May 7, 1949   Agent  FORM ACA-305a (FORMERLY ACA-307) (To be completed by a CAA Inspector or a designated inspector or representative)  II has seen perentined that the Aircraft Described in 305 above 15.1s conformity with the Following ALL Applicable MANDATORY NOTES. INSTRUMENT MARKINGS AND PLACARDING REQUIREMENTS HAVE BEEN COMPLIED  WITH YES   NO  ICAIRCRAFT SPECIFICATION - AIRWORTHINESS, ISSUED   ORIGINAL   ANNUAL INSPECTION  Thock whether)  JOPERATION LIMITATIONS FORM ACA-309 WAS ISSUED, OR  APPROVED AIRPLANE FLIGHT MANUAL IS IN THE AIRCRAFT  FINDINGS  OATE  AIRWORTHY  UNAIRWORTHY  CAA INSPECTOR'S SIGNATURE  THE AIRWORTHY  CAA INSPECTOR'S SIGNATURE  ANDELS  DATE  DATE  DATE  DATE  DATE  DATE  AND CAA-360  The Capped DATE  DATE	REGISTRATION NO. WAN					
MAKE  Tycoming  OWNER'S NAME  Reference and number. City, Zone and State)  Rampeska Air Service  Watertown, South Dakota  'Trachments (Check which)  Jaca-317   weight and Balance Report  Max Aca-337   Special approvats  Aca-337   Unapproved Deviation Data  May 7, 1949  Date   Title  FORM ACA-3056 (FORMERLY ACA-307)  (To be completed by a CAA inspector or a designated inspector or representative)  IT HAS BEEN DETERMINED THAT THE AIRCRAFT INSPECTION REPORT  WITH FORM ACA-3058 (FORMERLY ACA-307)  AIRCRAFT INSPECTION REPORT  IT HAS BEEN DETERMINED THAT THE AIRCRAFT DESCRIBED IN 305 ABOVE IS JIS CONFORMITY BITH THE FOLLOWING  ALL APPLICABLE MANDATORY NOTES, INSTRUMENT MARKINGS AND PLACARDING REQUIREMENTS HAVE BEEN COMPLIED  WITH FOR EXCEPTIONS (If any)  FORM ACA-1362, CERTIFICATE OF AIRWORTHINESS, ISSUED   ORIGINAL   ANHUAL INSPECTION  Theck whether)  OPERATION LIMITATIONS FORM ACA-309 WAS ISSUED, OR   APPROVED AIRPLANE FLIGHT MANUAL IS IN THE AIRCRAFT  FINDINGS  OATE  AND ATE  OATE  THOUGHT OF AREA CA-309 WAS ISSUED, OR   APPROVED AIRPLANE FLIGHT MANUAL IS IN THE AIRCRAFT  UNAIRWORTHY  UNAIRWORTHY  CAA INSPECTOR'S SIGNATURE  THE DATE  THE MANUAL INSPECTION  THE AIRWORTHY  CAA INSPECTOR'S SIGNATURE  THE MANUAL INSPECTED  OATE  THE AIRWORTHY  CAA INSPECTOR'S SIGNATURE  THE MANUAL INSPECTED  OATE  THE MANUAL INSPECTED  OATE  THE AIRWORTHY  CAA INSPECTOR'S SIGNATURE  THE AIRWORTHY  CAA INSPECTOR OF THE AIRCRAFT  THE ABOVE STATEMENTS ARE TRUE.  THE AIRWORTHY  TH	50227			3 /	774	
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Rampeska Air Service   Watertown, South Bakota			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ORSA	1	
Kampeska A1r Service    Tachwerts (Check which)   I Certify that the above Statements are true.	OWNER'S NAME		PERMANENT A	DDRESS (Ser	est and numb	er, City, Zone and
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Watertown, South Dakota    Matertown, South Dakota	WNER'S NAME	18	<del></del>				
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THIS PLACARD MUST BE DISPLAYED IN VIEW OF THE PILOT

16-45710-

FAA AIRCRAFT REGISTRY 5 N DATE: 4 85 CAMERA NO. ADDITIONAL OPERATIONS AUTHORIZED LIFOL The Airworthiness Certificate for this aircraft, is based on a tetative approval of the aircraft model and is subject to revision at the time of final approval. In addition further modification of the aircraft may be required at that time. It will be the owners responsibility to comply with all pertinent provisions of the final AIRGRAFT SPECIFICATION AND AIRWORTHINESS DIRECTIVE. IF THIS FORM IS LOST OR DESTROYED, A DUPLICATE MAY BE OBTAINED FROM THE CERTIFICATION AND RECORDATION SECTION, AIRCRAFT AND COMPONENTS SERVICE, CIVIL AERONAUTICS ADMINISTRATION, WASHINGTON, D. C., FOR \$2.00. (MONEY ORDER OR CHECK SHOT D BE MADE PAYABLE TO THE TREASURE OF THE UNITED STATES.)