U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

En - Nos	(Airframe	a, Powerplant,	Prop	peller, or Appliance)	100	FFICE IDENTI	FICATION	
INSTRUCT	TIONS: Print of	er type all entries. S	see F/	AR 43.9, FAR 43 Appendix B.	, and AC 43.9-1 (or subseque	nt revision	thereof
	MAKE			MODE	14-19	_2		
1. AIRCRAFT	SERIAL NO.	Bellanca		NATIO	NALITY AND REG		*****	
		4098			N9846B	ilotrano.	MAKN	
	NAME (As shor	wn on registration cer	rtifical	ADDRE	SS (As shown on re	aistration cer	tificate)	
2. OWNER	i	Lm Aviation		10	0937 Aero :	Lane S.	E.	
		III Avacca.		3. FOR FAA USE ONLY	elm Washin	gton 98	597	
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UNIT			/Mir.,	IDENTIFICATION . MODEL				TYPE
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AIRFRAME	****	***************************************	/ (As c	described in item 1 above)	*************	•••		
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POWERPLANT								
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PROPELLER								
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3	TYPE						 	
APPLIANCE	MANUFACTURER		1		*		۱ ۱	
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ĸ .			6.	CONFORMITY STATEMENT			Щ_	
A. AC	JENCY'S NAME	E AND ADDRESS	_	B. KIND OF AC		C. CER	TIFICATE	NO.
Geral	ld D McCo	ormick	7 0000	X U.S. CERTIFICATED MECHAN	NIC			110.
P.O.	Box 305		257	FOREIGN CERTIFICATED MEC		21	רמ פ נים	
. McKer	ına Washı	ngton 98558	į.	CERTIFICATED REPAIR STATIS	ОН	~ 1.	71871	
D. I certify th	at the repair s	and/or alteration m	-de (a the unit(s) identified in its				
				with the requirements of Part and correct to the best of my		described on ederal Aviat	the reversion Regul	stioni
ATE				SIGNATURE OF AUTHORIZE	. /	/		
12/	/1/93	9	1	1 1/1/2	n/. V			
A		7. /	APPRO	IVAL FOR RETURN TO SERVICE	1100			
Pursuant to the	authority give	n persons specified	belov	v, the unit identified in item 4 n and is APPROVED	was inspected in	she manner	ibe	. L.
Called Lien	315 11 4	al Aviation Administ	ratio	n and is APPROVED	-	the manne.	prescrio	a by
PAA PLT.	. STANDARDS	MANUFACTURER	Х	INSPECTION AUTHORIZATION	OTHER (Specify)			
PAA DEI	SIONES	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR	1	47		
TELON APPROVECTION		CERTIFICATE OR DESIGNATION NO	,.	SIGNATURE OF AUTHORIZE	D INDIVIDUAL	/		

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

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

12/1/93 N9846B

Instalation of Graphic engine monitor as per STC SA157NE.

END

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number

This certificate, issued to

Insight Instrument Corporation Box 194, Ellicott Station Buffalo, New York 14205-0194

cortifies that the change in the type design for the following product with the limitations and conditions

therefor as specified hereon meets the sirworthiness requirements of Part 3/23 of the Civil Air

Federal Aviation

Regulations.

Original Product - Type Corlificate Number: See Master Eligibility List

Model: See STC Continuation Sheet, Page 3

Description of Type Design Change:

1. Installation of Graphic Engine Monitor (G.E.M.) System Model GEM-602 S/N 403 and subsequent in accordance with Insight Instrument Corporation (I.I.C.) Manual "Installing the G.E.M." dated September 1, 1982.

2. GEM-603, S/N 001126 and subsequent installed in accordance with I.I.C. Manual

"Installing the G.E.M.", Drawing 8258, dated February 1, 1985.

3. Installation of GEM-602 and GEM-603 in accordance with I.I.C. Manual "Installing the G.E.M." Drawing 8258 version 2.1.

Limitations and Conditions:

1. Insight Instrument Corporation Airplane Flight Manual Supplement No. 1, Revision No.

3, FAA approved May 6, 1985, is required with this installation. Beech 33, 35 and 36

series aircraft may also use AFMS No. 1, FAA approved August 30, 1983.

This instrument is approved as optional equipment only and shall not replace any other required instrument. (See STC Continuation Sheet, Page 2)

This cortificate and the supporting data which is the basis for approval shall remain in effect until sur-

rendered; suspended; revoked, or a termination date is otherwise established by the Administrator of the

Federal Aviation Administration.

Dale of application:

March 30, 1983

Sale wissened:

Dale of issuance :

June 4, 1983

Tale amended: 8/30/83, 10/13/83, 6/14/85, 1/29/88,

10/31/89

By direction of the Administrator

Irwin N. Brumessignature)

Manager, New York Aircraft

Certification Office

(Title)

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

This certificate may be transferred in accordance with FAR 21.47.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him. TRANSFER ENDORSEMENT Transfer the ownership of Supplemental Type Certificate Number _____ to (Name of transferee)_____ (Address of transferee) _____(Number and street) (City, State, and ZIP code) from (Name of grantor) (Print or type) (Address of grantor) (Number and street) (City, State, and ZIP code) Extent of Authority (if licensing agreement):

Date of Transfer:

Signature of grantor (In ink):

#U.S. GPO: 1987-763-289

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number

SA157NE

Date amended: October 31, 1989

Limitations and Conditions: (continued)

- 3. Each aircraft installation shall be ground and flight checked, and calibrated in accordance with the requirements given on pages 4 and 5 of the I.I.C. "Installing the Graphic Engine Monitor" manual Drawing 8258 version 2.1.
- 4. This approval should not be incorporated in any aircraft of these specific models on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those previously incorporated approved modifications will not introduce any adverse effect upon the airworthiness of the aircraft.

(See the following STC Continuations Sheets for Master Eligibility List)

. . . END . . .

Department of Transportation—Kederal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number

SA157NE

Date amended: October 31, 1989

Master Eligibility List

Insight Instrument Corporation Model 602 (Dwg. List 8200, 5/4/83) and Model 603 (Dwg. List 8260, 4/16/85)

Graphic Engine Monitor System Installation

Make	<u>Model</u>	Type Certificate
British Aerospace (Beagle)	206 - all	A11EU
Beechcraft	23 - all	A1CE
Beechcraft	24 - all	AICE
Beechcraft	33 - all	3A15
Beechcraft	35 - all	777/3A15
Beechcraft	36 - all	3A15
Beechcraft	45 - all	5A3
	15 411	JAJ
Bellanca	17-30/31-all	1A3/A18CE
Bellanca	19-2/3-a11	1A3
Bellanca	14-13-all	773
Bellanca	14-19-all	1A3
Britten Norman	BN-2A	A29EU
-		
Cessna	150, 152-all	3A19
Cessna	170 - all	799
Cessna	172 - all	3A12
Cessna	175 - all	3A17
Cessna	177 - all	A13CE
Cessna	180 - all	5A6
Cessna	182 - all	3A13
Cessna	185 - all	A9CE/3A24
Cessna	205 - all	3A21
Cessna	206 - all	A4CE
Cessna	207 - all	A16CE
Cessna	210 - all	3A21
Cessna	T303 - all	3A21
0.16.1	11.50	
Gulfstream	AA-5B	A16EA
Aerospace		

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

Department of Transportation—Jederal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number

SA157NE

Date amended: October 31, 1989

Master Eligibility List

Insight Instrument Corporation Model 602 (Dwg. List 8200, 5/4/83) and Model 603 (Dwg. List 8200, 5/4/83) and Model 603 (Dwg. List 8260, 4/16/85)

Graphic Engine Monitor System Installation

Make	<u>Model</u>	Type Certificate
Helio	H-295	1A8
Consolidated Aeronautics (Lake)	LA-4-all	1A13
Maule Maule Maule Maule Maule	M-4 - all M-5 - all M-6 - all M-7 - all MX7 - all	3A23 3A23 3A23 3A23 3A23
Mooney Mooney Thompson	M-20 - all M-20 - all Navion - all	2A3 A6SW 782
Rockwell Rockwell	112 - all 114 - all	A12SO A12SO
Beechcraft	50 - all 55 - all 56TC 58 - all 58P 60 - all 65 - all 76 - all 95 - all	5A4 3A16 3A16 3A16 A23CE A12CE 3A20 A29CE 3A16

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

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number

SA157NE

Date amended: October 31, 1989

Master Eligibility List

Insight Instrument Corporation Model 602 (Dwg. List 8200, 5/4/83) and Model 603 (Dwg. List 8260, 4/16/85)

Graphic Engine Monitor System Installation

<u>Make</u>	<u>Model</u>	Type Certificate
Cessna	310 - all	3A10
Cessna	320 - all	3A25
Cessna	336 - all	A2CE
Cessna	337 - all	AGCE
Cessna	340 - all	3A25
Cessna	401 - all	A7CE
Cessna	402 - all	A7CE
Cessna	404 - all	A25CE
Cessna	411 - all	A7CE
Cessna	414 - all	A7CE
Cessna	421 - all	A7CE
Cessna	425 - all	A7CE
Partenavia	P68C	A31EU
Piper	PA-18 - all	1A2
Piper	PA-23 - all	1A10
Piper	PA-24 - all	1A15
Piper	PA-28 - all	2A13
Piper	PA-30 - all	A1EA
Piper	PA-31 - all	A8EA
Piper	PA-32 - all	A3SO
Piper	PA-34 - all	1E10
Piper	PA-39 - all	A1EA
Piper	PA-44 - all	A23SO
Piper	PA-46 - all	A25SO
Piper	PA-60 - all	A17WE
m/44-	S1 - all	A8SO
Pitts	S2 - all	A850
Pitts	52 - all	1000

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

Department of Transportation—Jederal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number

amended: October 31, 1989

Master Eligibility List

Insight Instrument Corporation Model 602 (Dwg. List 8200, 5/4/83) and Model 603 (Dwg. List

Graphic Engine Monitor System Installation

<u>Make</u>	<u>Model</u>	Type Certificate
Rockwell	500 - all	2A4
Rockwell	560 - all	2A4
Rockwell	680 - all	2A4
Republic	RC-3	A-769
STOL Aircraft	UC-1	A6EA
SIAI-Marchetti	F260 - all	A10EU
Composite Aircraft (Windecker)	AC-7	A7SW
Gulfstream American (Grumman)	GA-7	A1780
S.O.C.A.T.A	TB-10	A51EU
(Groupe Aerospatiale)	TB-20	
	TB-21	
S.O.C.A.T.A	MS880B	7A14
(Groupe Aerospatiale)	MS885	
	MS892A	
	MS892E	
	MS893A	
	MS893E	
	MS894A	
	MS894E	
	Rallye 100S	
	Rallye 150T	
	Rallye 150ST	
	Rallye 235E	
REVO, Inc.	Lake Model 250	1A13
(Consolidated Aeronautic	S	

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

FAA FORM 8110-2-1 (10-69)

This certificate may be transferred in accordance with FAR 21.47.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY OFFICE IDENTIFICATION

MAJOR REPAIR AND ALTERATION

	MAKE	tion of this form		FAR 43 9, FAR 13 Ap	MODEL	14-13			
1. AIRCRAFT	Bollanca.								
	SERIAL NO.	ho 2			NATION	ALITY AND REC	GISTRATION	MARK	
- , ,	NAME (As show	n on registration	certific	ofe)	ADDRESS	HOBIGE (As shown on n	egistration ce	rtificate)	
2. OWNER				,	10	237 Aero	Lane 3.	E.	
. ,	Leri	m Aviatier	1			Lm Washin	gton 98	3597	
				3. FOR FAA USE O	MLY				
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		4.	UNIT	IDENTIFICATION					TYPE
UNIT		MAKE	T	MODEL		SERIA	L NO.	REPAIR	T A1
			l			J		REPAIR	A
AIRFRAME	*****	•••••••••••	₩ (As	described in item 1 ab	0-0)	••••••	•••		X
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McKen	na Washin	gton 9855	8	CENTIFICATED REF	AIR STATION		21	71871	
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E	, information ful	misned nerein is	true	SIGNATURE OF AL			,		
12/	1/93		1	$\perp \prime \prime /$	1120	/ J			
				OVAL FOR RETURN TO					
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PAA PLT.	TANDARDS	MANUFACTURER	X	INSPECTION AUTHORIZAT	юн	OTHER (Specify)			_
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4.									
LON APPROV		ertificate or Eşignation no		SIGNATURE OF AU	HORIZED	INDIVIDUAL			

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

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

12/1/93 N9846B

Removed the following radio equipment; Radair 360 transceiver Râdair 240 Nav indicator, Airmarc marker beacon reciever, Arnav R-21 Loran and Ring LK 86 ADA. Installed the following equipment Apollo model 604 loran as per installation manual part no. 560-0037A as a direct replacment for the Arnav R-21, King KX-155 Nav-Com with KI-209 Nav indicator and Alighteom 403 intercom. All equipment was installed in space proved by the manufacture. Aircraft weighed equipment list revised. All work was accomplished as per king, flighteom and apollo installation manuals and AC 43-13-1A Chg 3 Chapter 11 Section 1,2,3,4,5,6,and 7 AC 43-13-2A Chapter 2 Section 27 A, b,c,d,e,g, and h. Electrical load does not exceed the capacity of the Aircraft electrical system. No modifications of the existing original structure was necessary.

END

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

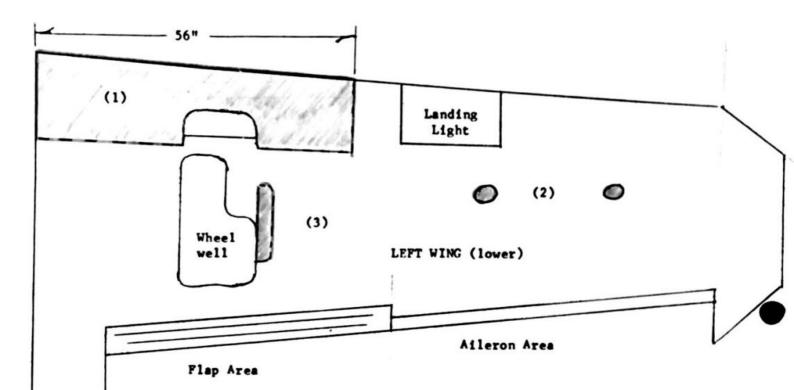
MAJOR REPAIR AND ALTERATION

OFFICE IDENTIFICATION

	(Airframe,	Powerplant, Pr	opell	e 7,	or Applian	ice)				
	TIONS Print or ty	ype all entries. See	FAR 4	(3.9,	FAR 43 Appe	indix B, an	d AC 43.9-1 (o	r subsequent	revision t	hereof)
	MAKE Bellanca			MODEL 14-19-2						
1. AIRCRAFT	SERIAL NO.	098					N9846B			
2. OWNER		on registration certifi	icate)			Flight	(As shown on re-	cy, P.O	.Box 10)77
	UIS	on, archar J.	,	[0]	R FAA USE ON		orners Air	port, Fa	rmingto	87499
					<u> </u>					
		4 111	IIT INF	NTIF	ICATION				5	TYPE
UNIT		MAKE 4. UK	100		MODEL		SERIA	L NO.	REPAIR	ALTER-
AIRFRAME	*****	(As described in item 1 above)					••••••	•••	xx	
POWERPLANT										
PROPELLER			•							
APPLIANCE	TYPE									
			<u> </u>	CONF	ORMITY STATES	AENT				
Α.	AGENCY'S NAME	AND ADDRESS	V .		B. KIN	ND OF AG		C. CE	RTIFICATE	NO.
- 71				XX	U.S. CERTIFICA			-		
	Robert Roge 347 Laurel			FOREIGN CERTIFICATED MECHANIC			1449429			
		ve, Ca. 93950		-	MANUFACTURE) M	- 1449	74.7	
	that the repair a	and or alteration moseen made in accord furnished herein is	ade to		unit(s) ident	tified in ite		described of Federal Avi	on the rev	erse or ulations
DATE				-			DINDIVIDUAL	0.0		
	4 April 19		10000	V41 -	FOR RETURN T	O CEDVICE	KOCE			
D. ceruses es	the authority give	an nessons specified	helow	the	FOR RETURN T	ed in item 4	was inspected	in the man	ner prescri	bed by
the Adminis	trator of the rede	ral Aviation Adminis	stration	T			OTHER (Specify)			
	FLT. STANDARDS	MANUFACTURER	X	CAN	PECTION AUTHORI	ENT	-			
/AA	DESIGNEE	REPAIR STATION		OF .	TRANSPORT INSP		ED (PIDIVIDITE			
DATE OF APPREJECTION	ROVAL OR April 1991	CERTIFICATE OR DESIGNATION NO 1449429	o .	SIG	Kal	et	ED INDIVIDUA	D		
	227 (7.47)						0			(8320)

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

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



- (1) Left wing leading edge replaced using factory supplied L.E., from root outboard 56", replaced 2nd., 3rd., 4th. & 5th. ribs outboard (factory ribs) as per manufacturer and AC 43.13-1A Ch. 1, Sec.1, par. 4-10 & 18.
- (2) Two 3½" plug patches installed (to inspect for secondary damage) at 86" & 115" from root and 18" aft of L.E. (same as Bellanca's inspection openings) & as per AC 43.13-1A Ch.1, Sec. 1, par. 24 and figure 1.18
- (3) Internal surface patch 17" X 6" with 1 3/4" overlap (skin thickness 1/8") using factory plywood, along wheel well rib in accordance with AC 43.13-1A Ch.1, Sec.1, par. 22 and installing a plug to bring level lower skin.
- * Replaced all doublers, supports, blocking & reinforcements as original.
- * No change to weight or balance.
- * Glued as original using glue strips and factory supplied glue.
- * All repaired areas recovered with Ceconite 101 as per Ceconite Manual 101, manufacturer & AC 43.13-1A, Ch. 1, Sec. 2, par. 42.

ADDITIONAL SHEETS ARE ATTACHED

4 April 1991

5-

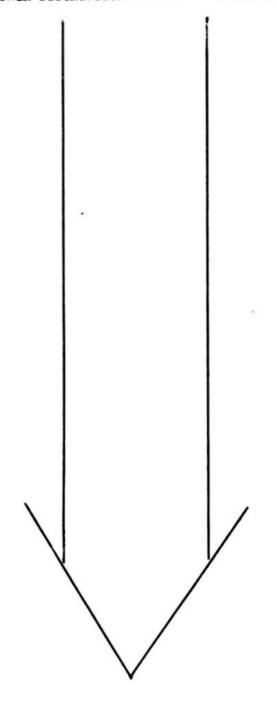
Bellanca N9846B

Flap repair: Flap trailing edge spliced in second to last rib bay outboard, using factory T.E. material. Recovered outboard bays (two) with 101 Ceconite as per Ceconite 101 Manual and guide lines set forth in AC 43.13-1A, Ch.3, Sec. 1, 2 & 3.

Aileron: Outboard 2" of aileron and outboard wing tip 3" repaired due to scuffing. Sanded smooth and repaired as per AC 43.13-1A, Ch. 3, Sec. 1, 2 & 3.

Landing gear: Replaced damaged parts listed on the back of this page. New micro switches installed and gear retraction test completed. All systems operating properly.

****** END OF REPAIR DISCRIPTION ********* PARTS LIST ON BACK OF PAGE ******



WEBER'S AERO REPAIR, P. O. Box 264 Alexandria Airport ALEXANDRIA, MN 56308 Phone: 612-763-4066

WEBER'S AERO REPAIR P. O. Box 264 Alexandria Airport ALEXANDRIA, MN 56308 Phone: 612-763-4066

WEBER'S AERO REPAIR
P. O. Box 264
Alexandria Airport
ALEXANDRIA, MN 56308
Phone: 612-763-4006

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DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION

Form Ap Budget I	proved ureau No. 04- R 060.
FO	R FAA USE ONLY
OFFICE	DENTIFICATION

	(Airfram	e, F	Powerplant, Pro	pelle	er, or Applian	ce)	C	OFFICE IDENTIFI	CATION		
INSTRI for instr	UCTIONS: Print of	or ty	pe all entries. See F	AR 4	3.9, FAR 43 Appe	ndix B, and	AC 43.9-1	(or subsequent	revision t	thereof)	
1. AIRCRA		MAKE BELLANCA				MODEL 14-19-2					
I. AIKCKA	SERIAL NO.	SERIAL NO.					TY AND RE	GISTRATION M	ARK		
2 00000	NAME (As sh	own	on registration certific	ate)				registration certi	ficate)		
2. OWNER		RJO	G. GEESAMEN RIE W. GEESAM	EN.			TERBY, C	V ROAD CALIF. 9394	10		
				3.	FOR FAA USE ON	LY					
			4 1181	T INE	NTIFICATION						
UNIT			AKE 4. UNI	I IUCI	MODEL			RIAL NO.	5.	TYPE ALTER-	
					MODEL		35.		REPAIR	ATION	
AIRFRAMI	E •••	••••	••••••••••••••••••••••••••••••••••••••	s desc	cribed in item 1 ab	ove)******	••••••	****		XXX	
POWERPL	ANT										
PROPELLE	R										
APPLIANC	MANUFACTURES	1	44		101/2						
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	San Jose,	CA.	95148 1 - 18-1		MANUFACTURER		· · · · · · · · · · · · · · · · · · ·		-, 12,	AL.	
attac	hments hereto hav	ve be	nd/or alteration made en made in accordar urnished herein is tr	nce w	ith the requiremen	nts of Part 4	13 of the U.	nd described or S. Federal Avia	n the rev	erse or ilations	
DATE	JULY 16 19	85	t:- =		SIGNATURE OF	3 M	andividua liw	Ass.	т.		
			7. Al	PPROV	AL FOR RETURN TO	SERVICE		747)		P	
Pursuant the Adm	t to the authority ninistrator of the F	giver	n persons specified b al Aviation Administr	elow,	the unit identified and is APPR	d in item 4	was inspecte REJECTED	ed in the manne	er prescril	bed by	
ву	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZ		OTHER (Specify	y)			
	FAA DESIGNEE	x	REPAIR STATION		CANADIAN DEPARTME OF TRANSPORT INSPE OF AIRCRAFT	ECTOR					
DATE OF	APPROVAL OR 7/16/85		CERTIFICATE OR DESIGNATION NO.		SIGNATURE OF			AL			

DO. ..

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 WOR craft nationality	RK ACCOMPLISHED (If mo and registration mo	ore space is required ark and date work o	d, attach additional ompleted.)	sheets. Ident	ify with air-
BELLANC	A 14-19-2	S/N 409 04	M	9846B	
dated 10-6 chapter 3.	Arnav Systems In with manufactur 4, AC 43.13-24 of System pround acarded <u>VFR ONL</u>	rers installation chapter 11, and A checked satisfac	n manual P/N 570- NC 20-121 append: ctorily and is a	pproved	$i^{I_{*}}I_{L_{*}}^{\lambda}A_{I}$
		Nothing Follows			
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	FRANK G. GRESIAME MARJORIE B. GET.	1 AV V	1272 SYLV MONTHAN,	AN ROAD CALL SALE	· \
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ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

		owerplant, Pro						IDENTIFIC		
INSTRUCT for instruct	FIONS: Print or typions and disposition	pe all entries. See	FAR	43.9,	FAR 43 Appe	endix B, and	AC 43.9-1 (or s	ubsequent r	evision th	nereof)
1. AIRCRAFT	MAKE Bellanca			1/6		MODEL 14-	19-2	AL THE		
to Americal I	SERIAL NO. 4098					NATIONALITUSA	TY AND REGISTI	RATION MA	RK	
2. OWNER	NAME (As shown of Frank G. Geesaman	on registration certific & Marjorie	cate) W.	ADDRESS (As shown on registration certificate) 624 Seventh St. Pacific Grove, Calif. 93950						0
		Contract to the	3	. F0	R FAA USE ON					
		4. UN	IT IDE	ENTIF	ICATION				5. 1	TYPE
UNIT	MAKE			MODEL	st -1	SERIAL N	10.	REPAIR	ALTER- ATION	
AIRFRAME	RFRAME ************************************							X		
POWERPLAN	T									
PROPELLER										
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	A OFFICIAL PARTY		6.	CONF	ORMITY STATES		101	0 000	W1010100	
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Ai	rmartronics			-	FOREIGN CERTI					
	inicipal Ai			X	CERTIFICATED R			402-	14	
	alinas, Cal			1	MANUFACTURE					
D. I certify	that the repair and ents hereto have be the information for	d/or alteration ma	ince v	with	the requireme	nts of Part 4	3 of the U.S. Fe	lescribed or ederal Avias	the rev	erse or
DATE	eb. 26, 197			1	MATURE OF	boly	INDIVIDUAL			
					FOR RETURN T					
Pursuant to	the authority gives	n persons specified al Aviation Adminis	below	n an	d is APP	ed in item 4 ROVED	REJECTED	the manne	er prescri	bed by
INS	FLT. STANDARDS	MANUFACTURER	X		PECTION AUTHOR		OTHER (Specify)			
BY	DESIGNEE	REPAIR STATION		OF OF	TRANSPORT INSP AIRCRAFT	PECTOR	1			
DATE OF API	PROVAL OR	CERTIFICATE OR	100	SIG	NATURE OF	AUTHORIZE	D INDIVIDUAL			
REJECTION		DESIGNATION NO	0.		1	Cari	p.			
Feb. 2	6, 1974	1384923			7	- Com	11/			10000)

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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8.	DESCRIPTION OF	WORK AG	COMPLIS	HED (If me	ore spo	ace i	s require	d, attach ad	ditional sheets.	Identify wit	h air-
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MAJOR REPAIR AND ALTERATION

Form Budge	Appro	ess	145	· #	90 1
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(8320)

OFFICE IDENTIFICATION

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arank Jose	PARK I					18. 93	350	
			3. FOR FAA USE		. 515) 552	110	//	
		4. UNIT	TIDENTIFICATION				5.	TYPE
MAKE MODEL SERIAL NO.					NO.	REP A.18	ALTER- ATION	
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fret								
MANUFACTURES								
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		7. A	PPROVAL FOR RETUR	N TO SERVICE				
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PLT STANGARDS		HHJFACTURER	INSPECTION AUTO		OTHER (Specify)			
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NO TAAONA				OF AUTHORIZED	INDIVIDUAL	1	T	1
	1000	4639	Luis	. Vergiti	1 . [. /	6	Vai
	MATE BELLA SERIAL INC. 4098 NAME (As show Frank Gest OX 1311 ey, Calif. that the repair the information the information the information 1973	MAKE BELLANCE MAKE BELLANCE MAKE (As shown on re Frank Geesaman MAKE M	MAKE BELLENCE SERIAL INO. 4. UNI MAKE (As shown on registration certifical Frank Geessamen AGENCY'S NAME AND ADDRESS What the repair and/or alteration main the repair and/or alteration main the information furnished herein is to a 1973 7. A the authority given persons specified in trator of the Federal Aviation Administration of the Federal Aviation Administratio	SCHOOL Property of the force box FAR 45.9, FAR 65.A5 and and Supportation of the force MARE Bellance SERIAL MO. 4. UNIT IDENTIFICATION MAKE MANUALTURES 3. FOR FAR USE *** *** *** *** *** *** ***	MOTOR Prise or 1994 all energy bea FAR 45.9, FAR 45 Appendix B, and A one end despondent of this form. MASS Set Lance LA-T SETURIOR NO. SALTONALITY AURIT IDENTIFICATION MASS FRANK CREENING PROPERTY. 3. FOR FAA USE OWLY 4. UNIT IDENTIFICATION MASS MODEL 5. CONFORMITY STATEMENT FROM CAPPROVED MASS MODEL 4. UNIT IDENTIFICATION MASS MODEL 5. CONFORMITY STATEMENT MASS MODEL 4. UNIT IDENTIFICATION MASS MODEL 5. CONFORMITY STATEMENT MASS MODEL 4. UNIT IDENTIFICATION MASS MODEL 5. CONFORMITY STATEMENT MASS MODEL 6. CONFORMITY STATEMENT MASS MODEL 6. CONFORMITY STATEMENT MASS MODEL 6. CONFORMITY STATEMENT MASS MODEL 7. APPROVAL OR CEPTIFICATE OR MASS MODEL MAS	MATE DEPLOYERS BY AND ADDRESS BY A DESCRIPTION MACRITURE MATERIAL STATEMENT ACCIDENCE STRUCTURE 4. UNIT IDENTIFICATION AND FAME IN THE STATEMENT ACCIDENCE STATEMENT ACCIDEN	DERIAL NO. LYOPS TRANK DESIGNATION OF REGISTRATION IN BY SALE S NAME (As ghown on registration certificate) Frank Designation on registration certificate) Frank Designation ADDRESS 14 shown on registration certificate Frank Designation Frank Designation ADDRESS 14 shown on registration certificate Frank Designation ADDRESS 14 shown on registration certificate Frank Designation Frank Designation ADDRESS 14 shown on registration certificate Frank Designation Frank Designation ADDRESS 14 shown on registration certificate Frank Designation Frank Designation ADDRESS 14 shown on registration certificate Frank Designation Frank Designation Frank Designation ADDRESS 14 shown on registration certificate Frank Designation Frank Desi	MATE DESTINATION OF CEPTIFICATE DAY AND ADDRESS A SAME AND ADDRESS A SAME AND ADDRESS AS SHOWN OF CEPTIFICATE AND SECURITY STATEMENT ACCENCY S NAME AND ADDRESS BY VIOLEN OF ACCENCY CONTINUED STATE AND ADDRESS BY VIOLENCE AND ADDRESS BY SHOWN OF ACCENCY CONTINUED AND ADDRESS BY SHOWN OF ACCENCY BY ADDRESS BY SHOWN OF ACCENCY BY ADDRESS BY SHOWN OF ACCENCY BY ADDRESS BY SHOWN ADDRESS BY SHOWN OF ACCENCY BY ADDRESS BY SHOWN ADDRESS BY

FAA Form 337 (7-67)

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

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

Removed Radair 1 Vor/Loc S/N 0052K0 /57

Installed Radair 240 Vor/Ils S/N 0233K0

Installation made as per requirements outlined in Advisory Circular 43.13-2 Chapter 2 and manufactures drawings with instructions. Aircraft log & flight manual have been amended.

END

REVISED EQUIPMENT LIST & WEIGHT & RALANCE

TYPE Bellanca 14-19-2	CI	SER. NO. 4098				
The state of the s		W.O. 2411				
N Serior	W.	the street, and the				
FOLLOWING EC	UIPMENT ADDED OR REMOV	Tach. 1118. ED AS SHOWN:				
ITEM	WEIGHT	ARM	MOMENT			
1. A/C Empty	1798.55	16.90	30355.20			
2 Radair 1 Vor/loc S/N G	2.25	- 4.0	4 9.0			
3 Radair 240 Vor/ils S/N	30000 4 3.0	- 4.0	- 12.0			
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5		1	000			
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		NEW USEFUL I	.OAD 900.			

DEL MONTE AVIATION, INC.

MONTERET, CALIF. 93940

P.O. BOX 1311

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

	MAKE			MODEL	14-19-2)		
AIRCRAFT	SERIAL NO.	LANCA		NATIONALII	Y AND REGIS		ADK	
		1098		11924		TRATION M	Ann	
OWNER	NAME (As shown	on registration certifica	ite)		s shown on regi		ficate)	
OWNER	FRAUK G	BUSAMAN			th. STREE		CRLTA	030
			3. FOR FAA USE					
		4. UNIT	IDENTIFICATION				1 5	TYPE
UNIT		MAKE	MODEL		SERIAL	NO.	REPAIR	ALTER
	1						- REFAIR	ATION
IRFRAME	****	••••••••••••••••••••••••••••••••••••••	s described in item 1	above)		·J		X
OWERPLAN	т				no de	13		
ROPELLER					you for	~		
	TYPE			X	4,0			
PPLIANCE	MANUFACTURER							
			6. CONFORMITY STAT					
	AGENCY'S NAM			IND OF AGEN	1CY	C. CER	RTIFICATE	NO.
	nis AVIAT	Ich, Inc.		TIFICATED MECHA	NIC			
	BUX 1311	UPF-1A 93940	MANUFACTU	REPAIR STATION		l ₊	639	
attachin	ents nereto have l	and/or alteration mad been made in accordan furnished herein is tro	ce with the requiren	sents of Part 4	I of the I S E	described of ederal Avia	n the reve tion Regu	erse or lations
TE			SIGNATURE OF	AUTHORIZED	INDIVIDUAL			
Au/	. 12,1971		107	(7/	uli		
		7. AP	PROVAL FOR RETURN	TO SERVICE	· Con	uc.		
Pursuant to he Admini	the authority givestrator of the Fede	en persons specified be ral Aviation Administr	rlow, the unit identi	fied in item 4 v	was inspected in	the manne	er prescrib	sed by
FAA INS	PECTOR	MANUFACTURER	INSPECTION AUTHO		OTHER (Specify)			
Y	DESIGNEE	REPAIR STATION	CANADIAN DEPART OF TRANSPORT IN OF AIRCRAFT		1			
TE OF API	PROVAL OR	CERTIFICATE OR	SIGNATURE OF		1	0	_	
	9. 121, 1	1100 301	Vac	inle	· Cen	a li		

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

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

THE FOLLOWING UNITS WERE INSTALLED:

RADAIR 360 TRANSCEIVER RADAIR 200 NAV/RECEIVER RADAIR I VOR/LOC INDICATOR

AIRMARC 128H MARKER BEACON RECEIVER INSTALLATION MADE AS PER REQUIREMENTS OUTLINED IN ADVISORY CIRCULAR 43.13-2 CHAPTER 2. -----END-------

ADDITIONAL SHEETS ARE ATTACHED

REVISED EQUIPMENT LIST & WEIGHT & BALANCE

WNER FRANK GEBSAMAN	DATE	DATE AUG. 10, 1971				
YPE BELLANCA 14-19-2	SER.	SER. NO. 4098				
9846B	W. 0	W. O. 000708				
FOLLOWING EQUIPMENT ADDR	ED OR REMOVED	AS SHOWN:				
ITEM	WEIGHT	ARM	MOMENT			
1. AIRCRAFT INSTALLED:	1790.4		30391.6			
2. RADAIR 360 TRANSCEIVER	+2.7	-5	-13.5			
3. RADAIR 200 NAV/RECEIVER	+2.7	-5	-12.5			
4. RADAIR I VOR/LOC INDICATOR	+2.25	-4	-9.0			
5. AIRMARC 128H M/B RECEIVER	+.7	-2	-1.4			
6. 7. 8. 9. 0.	gerrede !	13				
EW EMPTY WEIGHT 1798.55 m EW EMPTY C.G. 16.9 GNATURE Ouis A. Comu		30355. EFUL LOAD				

DEL NONTE AVIATION, INC. P 0 80% 1311 MONTE E" CALIF. 93040

FEDERAL AVIATION AGENCY

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

Form Approved
Hudger thursan No. 07 Rose 1

FOR LILLLY ONL)

OFFICE IDENTIFICATION

INSTRUC	TIONS: Print or	type all entries. See	FAR 43	19. FAR 41 Appendix B	and AC 44 o					
for instruct	tions and disposi	tion of this form.	TAK 4	5.9, FAR 43 Appendix B,	and AC 43.9-	I (or subseque	nt revision i	thetent)		
1. AIRCRAFT	MAKE Ž	BELLANCA		MODEL	14-	19-2				
I. AIRCKAFI	SERIAL NO.			NATION	NALITY AND	REGISTRATION	MARK			
		4098			N 98-168					
2 0	NAME (As show	m on registration certifi	cate)	ADDRES	SS (As shown o	n registration ce	rtificate)			
2. OWNER	DONALD	M, LAVNE		P. O.	Box 1-	CALIF	44102			
	MARLOD	d. SILVER	•	PAL,	ALTO.	CALIF				
			3.	FOR FAA USE ONLY						
		4. UN	IT IDEN	TIFICATION			5.	TYPE		
UNIT	NIT MAKE			MODEL		SERIAL NO.	REPAIR	ALTER		
							-	MOITA		
AIRFRAME	••••	•••••••••••••••••••••••••••••••••••••••	As descr	ribed in item 1 above)	••••••	•••••	X			
POWERPLAN	п				+					
PROPELLER										
	TYPE									
APPLIANCE	MANUFACTURER									
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203	THE ALAL	1 EDA		CERTIFICATED REPAIR STA	TION					
BELM	ioni. Car	F		MANUFACTURER						
attachm	ents hereto have	been made in accorda	ince wi	he unit(s) identified in th the requirements of Pa I correct to the best of it	art 43 of the	U.S. Federal Av	on the reviation Regi	erse or ulations		
DATE /2	/17/67	7	1	SIGNATURE OF AUTHOR	Hime					
			ADDDOVA	AL FOR RETURN TO SERVICE		2				
Pursuant to	the authority gi		below,	the unit identified in iter		ected in the ma	nner preser	ibed by		
FAI	A FLT. STANDARDS	MANUFACTURER	x	NSPECTION AUTHORIZATION	OTHER (Spe	x+fy)				
FA	A DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT						
ATE OF AP	PROVAL OR	CERTIFICATE OR DESIGNATION NO		SIGNATURE OF AUTHOR	Annie	DUAL				

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

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

REPLACED SECTION OF LEADING EDGE OF LEFT WING
FROM LANDING LIGHT INBOARD 18". REPAIR ACCOMPLISHED
INITE MATERIAL FURNISHED BY MANUFACTURE AND IN
ACCORDANCE WITH SUPPLIED RECOMMENDATIONS. REPLACED
LEFT VERTICAL FIN.

- END -

Form approved. Budget Bureau No. 04-R060,

FEDERAL AVIATION AGENCY

MAJOR REPAIR AND ALTERATION FORM (AIRFRAME, POWERPLANT, PROPELLER OR APPLIANCE)

				CERUM NO	NATIONALITY	AND REGISTRATION MARK
AIRCRAFT	MAKE / D. 33 ama		00EL	4098	N984	
	Downer (Bellanc	(a)	14-19-2	ADDRESS (Street and number, city		
	NAME (First, middle, last)			ADDRESS (Street and number, cay	, come and many	
2. OWNER				P.O.Box 1411	Polo Al	to Celif
	Don Layne					
3. COMPLET CORDAN	TE ONLY FOR UNIT REPAIR CE WITH CIVIL AERONAUTIC	ED AND/OR	ALTERED. DE 8.	SCRIBE WORK ACCOME		
			HODE	SERIAL NO.	NATURE C	OF WORK (Cheek)
UNIT	MAKE		MODEL	SERING IIV.	MAJOR REPAIR	MAJOR ALTERATION
a. AIRFRAME		(As described The a	in item I above) e	ed herein complies w to		xxxxxx
b. POWERPLAN	т	applic	able airworthmess	requirements as is		2
				pection by a person	1 0	10
e. PROPELLER			ized in C.A.R			Ψ
	TYPE AND MANUFACTURER	-//	1 100	u E Mora		1
d. APPLIANCE		166	a min		- y	
		DATE		BIGNATURE	V	
	T WEIGHT AND BALANCE DA	TA This ite	em must be con	npleted by repair or alterent, it will not be comple	ation agety.	However, in the
AFT	ER the repairs and/or alterations described below were made.	stalled i	n an aircraft.	At this time, it will be don	pleter by the in	nstalling agency,
CATEGOR	Y EMPTY WEIGHT (Pe	nunds)*	EMPTY CEN	ITER OF GRAVITY (Inches from date	USE	FUL LOAD (Pounds)*
	1790.4	-	- 18	8.81	9	09.6
Norma	MITY STATEMENT (Complete and	(check)				
	ME AND ADDRESS	•	b. KIND OF AGEN	ICY	c. CERTIFICA	TE NO.
			- 11 8 6	atiCastad Mashania	A&P 3	69159
	J.Roger Himes			ertificated Mechanic.	Acc 5	02139
	203 Alameda,	•		Certificated Mechanic.	1	
	Belmont, Californi	a		ited Repair Station.	1	
			☐ Manufa	Check if repair or altera	tion	
				was made under delegation	op-	
			1	tion procedures.)		_
the inform	that the repair and/or alteration at shere to have been made in a mation furnished herein is true a	ccordance with	i the requiremen	its of Part 15 of the C. D.	and described or Civil Air Regu	n the reverse or lations and that
	7/6/64			V. Kegn	Hun	nes.
(Date rep	mair and/or alteration completed)			(Signature of authorize	sd individual)	
APPROVA	L FOR RETURN TO SERVICE	(Check and compi	lete appropriate items)		
Duremant !	to the authority specified below he Federal Aviation Agency and	the unit iden	tified in item 3	was inspected in the man	nner prescribed	by the Adminis-
T AP	PROVED BY GRAA Flight	nee 🗆 Man	ufacturer [Canadian Department o	of Transport Insp	pector of Aircraft
	JECTED FAA Fiight	☐ Repa	ir Station	Other (Specify)		
	Standards			Inspection aut	horization	n
	Inspector				1/	•
7	/6/64			7.100n	Hu	ne
(Date	of approval or rejection)		(Sign	nature of authorized individual; ti	tle or identification n	iumber)
7. TO BE CO	MPLETED ONLY BY FAA PER					
a. Forward	ed for engineering comment		tached memora			
Accepte	. /	Reinspected.	(Dat	te) Spot Ch	necked	(Date)
	(Date)		(54)	1 -1	T .	
RE	G. WE			haus 1	Mora	
1	A designation number)			(Signature Flight Stand	lards Inspector)	

INSTRUCTIONS

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

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

8. DESCRIPTION OF WORK ACCOMPLISHED.

Remove Narco model BTR-2 Radio and power package and install King KX 150A.

Install King cooling kit .

All work done in accordance with manufactures instructions and CAM-18. Electrical load investigated and found to be within 80 % of generator capacity.

Raido mounted using existing brackets, antennas and leads.

		Wei	ght	Arm	Moment	
Old	aircra	ft 179	5.5	16.97	30469.6	5
/01d	radio	-	6.7	- 5.	- 33.5	5
Old	Power	Plant-	6.9	+1 0	₱ 69.	
Wow.	radio	+	8.5	-5.	- 42-5	_
					9	_
New	emnty	weight	179	0.4 16	93 30400	6

New empty weight 1790.4 16.81 30409.6

*#END##

303.74.6

KX-150A NAV/COMM UNIT

Serial No. 10155

Frequency Chart:

118.0_	+3,3	_KC
.1	+2,7	_KC
. 2_	+2,6	_KC
. 3	+3,1	_KC
. 4	12.7	_KC
. 5	+2,9	_KC
. 6	127	_KC
.7	+2.Z	_KC
. 8	+2,5	_KC
. 9	+312	_KC

119.5_	t.6	_KC
120.5_		_KC
121.5_	+09	_KC
122.5_	t.6	_KC
123.5_	+1,9	_KC
124.5_	12.0	_KC
125.5_	tof	_KC
126.5_	-,7	_KC
127		HE

Frequency Counter Used Hewlett-Packard 524C APPROVED: finned / (3)
LICENSE NO: PI-12 83

DATE: 6-12-64

-1039B

Form approved. Budget Bureau No. 04-R000.

FEDERAL AVIATION AGENCY

MAJOR REPAIR AND ALTERATION FORM (AIRFRAME, POWERPLANT, PROPELLER OR APPLIANCE)

						_			
1. AIRCRAFT Downer (Bellanca)		MODEL 14-19-2			SERIAL NO.		ATIONALITY AND REGISTRATION MARK		
					4098		N 98468		
2. OWNER	ADDRESS (Street and number, city, zone and State) Roselle Field Roselle Jllinois								
3. COMPLET CORDANG	E ONLY FOR UNIT REPAIRE E WITH CIVIL AERONAUTICS	D AND/OR A	ALTERED. D 8.	ESCRIBE	WORK ACCOMPL	ISHED	ON RE	VERSE IN AC-	
						N	NATURE OF WORK (Check)		
UNIT MAKE		MODEL			SERIAL NO.		REPAIR	MAJOR ALTERATION	
a. AIRFRAME	***************************************	(As described i	item I above)			XXX	XXXXX		
6. POWERPLANT					al				
c. PROPELLER					مي و م				
	TYPE AND MANUFACTURER				//				
d. APPLIANCE		C. per			. per			-	
*AFTE	T WEIGHT AND BALANCE DA ER the repairs und/or alterations described below were made.	case of a	a spare compo n an aircraft.	nent if w	by repair or alterated in the complete ime, it will be com	ed until	such co	owever, in the mponent is in- stalling agency,	
CATEGORY	EMPTY WEIGHT (Por			ENTER OF GR	AVITY (Inches from datum	ı)•	USEFL	JL LOAD (Pounds)*	
				\ <u>'</u>					
Norma	1 1795.5 lbs	•	16	.97"			905	.5 lbs.	
5. CONFORM	MITY STATEMENT (Complete and	check)							
a. AGENCY'S NAM	ME AND ADDRESS		6. KIND OF AG	ENCY		e. C	ERTIFICATI	E NO.	
Dale Sackey Box 212 Roselle, Illinois		U. S. Certificated Mechanic. Foreign Certificated Mechanic. Certificated Repair Station. Manufacturer. (Check if repair or alteration was made under delegation option procedures.)				&P 743361			
- 44 b-man	that the repair and/or alteration its hereto have been made in action furnished herein is true as	cordance with	i the requirem	ients of Fr	art 18 of the C. B.	nd descri Civil Air	ibed on Regula	the reverse or tions and that	
	1/15/1963		- Cal	-	(Signature of authorized	individual))		
Durguant t	L FOR RETURN TO SERVICE to the authority specified below the Federal Aviation Agency and	the unit iden	lete appropriate iter tified in item	3 was ins					
□ APPROVED BY							etor of Aircraft		
- 11	/15/1963 of approval or rejection)		Pa (8	ignature of au	thorized individual; title	didentifi	leation nu	mber)	
(Date)	MPLETED ONLY BY FAA PER	RSONNEL							
		☐ Gan at	tached memor	randum					
b. Accepted	ed for engineering comment d (Date)	Reinspected .		Pate)	Spot Che	ecked		(Date)	
					Signature Flight Standa	rds Inspect	or)		
(FAA designation number) Form FAA-337 (4-52)									

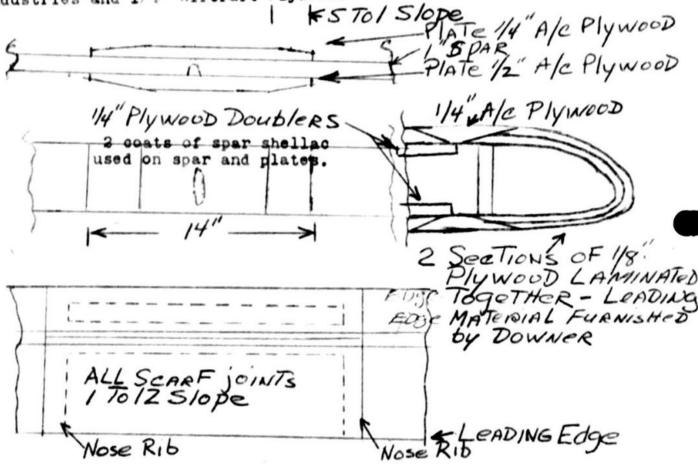
INSTRUCTIONS

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

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

8. DESCRIPTION OF WORK ACCOMPLISHED.

The following repair was a accomplished after taxis accident. The R/H wing spar at 81" from side of fuselage was reinforced due to local damage inspar. All work done according to CAM 18, page 144. The scarf patch was installed according to CAM 18, page 150 using leading edge material received from Downer Aircraft Industries and 1/4" Aircraft Plywood.



Type of glue used in wood repairs is Kopper Penacolite Adhesive G-1131 furnished by Downer. Balloon cloth used for fabric was also furnished by Downer.5 coats of clear Butyrate,4 coats of silver Butyrate dope and 3 coats of Bittersweet color Butyrate dope used to coapte fabric repair. No change in Weigth and Balance.

complete

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