Zip     57354     Country     USA       3. For FAA Use Only       4. Type       5. Unit Identification       Repair     Alteration     Unit     Make     Model     State of the second of the secon			
UB opartment       (Airframe, Powerplant, Propeller, or Appliance)         I Transportation Fadministration       (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 revinstructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil such violation. (49 U.S.C. §46301(a))         I. Aircraft       Nationality and Registration Mark USA N4125U       Serial No. 150-60125         I. Aircraft       Name (As shown on registration certificate) Make       Model         2. Owner       LARRY MEHIHAFF       Address (As shown on registration certificate) Address (As shown on registration certificate)         3. For FAA Use Only       3. For FAA Use Only         4. Type       5. Unit Identification         Repair       Alteration       Unit         Make       Model       Series         (Air RFRAME       (As described in Item 1 above)	cking Number		
of Transportation Administration       (Airframe, Powerplant, Propeller, or Appliance)         Pederal Aviation Administration       (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 rev 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 such violation. (4) U.S.C. §46301(a)         I. Aircraft       Nationality and Registration Mark USA NA125U       Serial No. 1500-60125         I. Aircraft       Name (As shown on registration certificate)       Address (As shown on registration certificate)         2. Owner       LARRY MEHIHAFF       Address (As shown on registration certificate)         3. For FAA Use Only       3. For FAA Use Only         4. Type       5. Unit Identification         Repair       Aiteration       Unit         Aiteration       Unit       Make         Aiteration       Onlit       Acter Model         Series       Country       USA         20       Aiteration       Unit         4. Type       5. Unit Identification         Image: Alteration       Unit       Make         Image: Alteration       Unit       Make         Image: Alteration       Unit       Make         Image: Alteration <td< td=""><td>Dnly</td></td<>	Dnly		
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 such violation. (49 U.S.C. §44301(a))          Nationality and Registration Mark       Serial No.         USA N4125U       Model         Make       Model         CESSNA       Model         Name (As shown on registration certificate)       Address (As shown on registration certificate)         ARRRY MEHIHAFF       Address (As shown on registration certificate)         Address for Box 68       Country         City       KAYLOR         Zip       57354         Country       USA         Atteration       Unit         Make       Model         Series       Country         USA       Series         Atteration       Unit         Make       Model         Atteration       Unit <tr< td=""><td></td></tr<>			
1. Aircraft     USA N4125U     150-60125       Make     CESSNA     Model     100       2. Owner     LARRY MEHIHAFF     Address (As shown on registration certificate)     Address (As shown on registration certificate)       2. Owner     LARRY MEHIHAFF     Address (As shown on registration certificate)       3. For FAA Use Only     Safety (Country USA)			
Mate     Model     Series     100       2. Owner     LARRY MEHIHAFF     Address (As shown on registration certificate)     Address (Po BOX 68       2. Owner     LARRY MEHIHAFF     Address (Po BOX 68       City     KAYLOR     S       2. Owner     S. For FAA Use Only			
2. Owner       LARRY MEHIHAFF       Address       PO BOX 68         City       KAYLOR       S         2ip       57354       Country       USA         3. For FAA Use Only         4. Type         6. Unit Identification         Repair         Alteration       Unit       Make       Model       S         Image: Alteration       Unit       CONT       0-200-A       365         Image: APPLIANCE       Image: Alteration       Image: Alteration       Image: Alteration	0		
2. Owner LARRY MEHIHAFF City KAYLOR s     37354 Country USA     3. For FAA Use Only     4. Type     5. Unit Identification Repair Alteration Unit Make Model     AIRFRAME     AIRFRAME			
Zip         57354         Country         USA           3. For FAA Use Only         3. For FAA Use Only	State SD		
4. Type       5. Unit Identification         Repair       Alteration       Unit       Make       Model       State         Image: Alteration       Unit       Make       Model       State			
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Repair     Alteration     Unit     Make     Model       Image: Imag			
Image: AIRFRAME     Image: AIRFRAME     (As described in Item 1 above)       Image: Image: AIRFRAME     Image: CONT     0-200-A       Image: Im			
Image: State	Serial No.		
	55-2-A		
APPLIANCE Manufacturer			
6. Conformity Statement			
A. Agency's Name and Address B. Kind of Agency			
Name         ROGER RUDNICK         X         U. S. Certificated Mechanic         Manufacturer           Address         417 E 14TH ST         Foreign Certificated Mechanic         C. Certificate No.			
City SO SIOUX CITY State NE Certificated Repair Station	<u>C. Certificate No.</u> 18127771A		
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 attachme have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the informat furnished herein is true and correct to the best of my knowledge.	ents hereto ition		
Extended range fuel Signature/Date of Authorized Individual			
App. B BOGA Machine 2-10-	15		
A. Approval for Return to Service           Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner pr           Administrator of the Federal Aviation Administration and is	rescribed by the		
FAA Flt. Standards Manufacturer Maintenance Organization Persons Approved by Canadian Department of Transport	1		
BY FAA Designee Repair Station X Inspection Authorization Other (Specify)			
Certificate or Designation No. 18127771A Signature/Date of Authorized Individual	15		

FAA Form 337 (10/06)

### NOTICE

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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.

8. Description of Work Accom (If more space is required, at	plished ttach additional sheets	s. Identify with aircraft nati	onality and registration mark and da	te work completed.)
			USA N4125U	2-10-2015
			Nationality and Registration Mark	Date
INSTALLATION OF REA	AL GASKET COP	PORATION CONTIN	IENTAL ENGINE PUSHROD	TUBE MODIFICATION
I/A/W REAL GASKET CO ATTACHED APPROVED	ORPORATION DR MODEL LIST [A NG NO. 9807, PAC CHANGE.	AWING LISTS AND ML] INSPECTION C	INSTALLATION INSTRUCT DF THE PUSHROD TUBE I/A TED JULY 2, 1998. AND I/A	IONS PER THE /W REAL GASKET
		END		
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		Additional Sheets	Are Attached	

FAA Form 337 (10/06)

D--- 7

United States of America

Bepartment of Transportation -- Nederal Abiation Administration

# Supplemental Type Certificate

Number SE00533SE

This certificate issued to

Real Gaskets Tennessee 2506 Stateline Road Elizabethton, TN 37643

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

Ciriginal Product Type Vertificate Number:

 \*See attached FAA Approved Model List (AML)

 Make.
 No. SE00533SE for a list of approved engine models

 Model.
 and applicable airworthiness regulations.

Description of Fype Design Change. Installation of Real Gasket Corporation Continental Engine Pushrod Tube Modification in accordance with Real Gasket Corporation Drawing Lists and Installation Instructions per the attached Approved Model List (AML). Inspection of the pushrod tube modification in accordance with Real Gasket Corporation Drawing No. 9807, Page 4, Revision dated July 2, 1998.

**Dimitations and Vonditions:** Approval of this change in type design applies to the engine models listed on the AML only. This approval should not be extended to other engines of these models on which other previously approved modifications are incomporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that engine. A copy of this Certificate and FAA AML No. SE00533SE must be maintained as part of the permanent records for the modified engine.

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 Irdenal Aciation Administration

Gente of application . March 28, 1995 Grate of issuance . July 6, 1998



### Tale reissued : 7/13/2001; 11/15/2011

gate unrended:

fo.Administrater (Signature) Melvin D Taylor vianager Adanta Afferant Certification Office (Tile)

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

 SHA FLM: 8110-2(10-68)
 PAGE 1 of 2 PAGES

 Sha FLM: 8110-2(10-68)
 PAGE 1 of 2 PAGES

FAA APPROVED MODEL LIST (AML) SE00533SE FOR

**Real Gaskets Tennessee** 

				-			-	<b>ISSUE DATE</b>	ISSUE DATE: July 6, 1998
ITEM	ENGINE	ENGINE MODEL	TYPE	CERTIFICATION	FAA SEALED DRAWING	DRAWING	INSTALLATION		AML AMENDED
	MAKE		CERTIFICATE	BASIS FOR	TIST	н	INSTRU	INSTRUCTIONS	DATE
			NUMBER	ALTERATION	-				
-	CONTINENTAL	A-65 SERIES	E-205	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	10/14/1998
2	CONTINENTAL	A-75 SERIES	E-213	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	10/14/1998
<b>с</b>	CONTINENTAL	C-75 SERIES	E-233	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	10/14/1998
4	CONTINENTAL	C-85 SERIES	E-233	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	10/14/1998
5	CONTINENTAL	C-90 SERIES	E-252	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	10/14/1998
9	CONTINENTAL	0-200 SERIES	E-252	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	. 10/14/1998
2	CONTINENTAL	. C-125-2	E-236	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	10/14/1998
80	CONTINENTAL	. C-145-2, -2H, -2HP	E-253	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	10/14/1998
σ	CONTINENTAL	0-300_A, -B, -C, -D, -E	E-253	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	. 10/14/1998
10	CONTINENTAL	GO-300-A\-B, -C, -D, -E, -F	E-298	CAR 13	RG200PR	2/14/2012	RG200PR	2/14/2012	10/14/1998
					•	•			

FAA APPROVED : Marlager, Atlanta Aircraft Certification Office

Amended: October 14, 1998; October 19, 2012

Reissued: July 13, 2001; November 15, 2011; February 6, 2012

ζ.

<sup>1</sup> Page 1 of 1

		<u></u>					Form App OMB No.2		Electronic Tracking Number
	-•		JOR REPAIR ANI				2/28/2011		FAA Use Only
U.S. Departmen of Transportatio	n	(Airfra	me, Powerplant, Pro	op	eller, or A	ppliance)		FUI	
Federal Aviation					<u> </u>	· · · · · · · · · · · · · · · · · · ·			
instructions	and dispos	t or type all ent ition of this for U.S.C. §4630	tries. See Title CFR §43. m. This report is requirec 1(a)).	9, I I by	Part 43 App / law (49 U.S	endix B, and AC 43.9 S.C. §44701). Failur	9-1 (or sul e to repor	osequei t can re	nt revision thereof) for esult in a civil penalty for
1. Aircraf	Nationa	lity and Registrati				Serial No. 15060125			
	Make Cessna	a	· · · · · · · · · · · · · · · · · · ·		<del> </del>	Model 150D			Series
2. Owne		-	stration certificate)		**	Address (As shown	•	ion certif	icate)
	Larsen	David E. Christina A				Address PO Box 3 City Alcester			State SD
				-		Zip <u>57001-03</u>	53Coi	intry US	5A
		<u></u>	3. Fo	r F	AA Use Only	/			
4. 1	Гуре		5. Uni	it Id	lentification	· · · · · · · · · · · · · · · · · · ·			
Repair	Alteration	Unit	Make			Model			Serial No.
	X	AIRFRAME				(As described in ite	m 1 above	9)	
		POWERPLAN'	т		<u> </u>				
		PROPELLER							
		APPLIANCE	Type Manufacturer						
	I	l	6. Coi	nfo	rmity State	l ment		!	· · · · · · · · · · · · · · · · · · ·
A. Agency	's Name and	d Address			B. Kind of				
	an Byker			X	U.S. Certifica	ited Mechanic			Manufacturer
	385 460th St	<u></u>			Foreign Cert	ficated Mechanic	C. Certificate No.		ertificate No.
···, <u>··</u>	awardeb 1023	Country US	State IA	-		Repair Station		303 2	178
D. I certif hereto	y that the re have been	pair and/or alte	eration made to the unit(s dance with the requireme	nts	lentified in its of Part 43 of	of the U.S. Federal A	cribed on	the reve egulatio	erse or attachments ns and that the
inform Extended ran			ue and correct to the best re/Date of Authorized Indiv			lge.			
14 CFR Part			Per Date of Authonized India	viul	4Cl)	Dan Byl	ker 8/8/20	13 8/8/	/2013
				al f	or Return T	o Service			
Purs the A	uant to the a Idministrator	authority given r of the Federa	persons specified below, I Aviation Administration	, the and	e unit identif d is 🔽 APP	ied in item 5 was ins ROVED	pected in REJECTE		anner prescribed by
BY	FAA Fit. Sta Inspector		Manufacturer			ce Organization	Per	sons App	oved by Canadian of Transport
	FAA Desig	Inee	Repair Station	X	Inspection	Authorization		pecify)	
Certificate o	r Designation	No.	Signature/Date of Author	1	d Individual				
303 2178			Dan Ball	<u></u>		Dan Byker 8/8/2013	8/8/2013		
FAA Form 3	37 (10-06)								

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. A	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 Accomplished (If more space is required, attach additio

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		N4125U	8/8/2013	
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		. •		

						FAH					
U.S. Departme of Transportation Federal Aviation Administration	on <sup>î</sup> Io <b>n</b>		IAJOR REP rame, Powerp							oproved 0.2120-0020 For FAA Use C dentification	iniy
instructions	s and dispositi	on of this f	entries. See FAF orm. This report ion (Section 901	is requi	red b	y law (49 U.S.)	C. 1421).				
1. Aircrat	ft Make Cess	na					Model 150D				
,	Serial , 1506		•	· .			Nationality N4125W	and Registrat	tion Mark	•	
2. Owner	r Larse	(As shown o n David E n Christina	n registration certific	ate)	•		PO Box	As shown on r 353 SD 57001-4	•	rtificate)	
	. <b>.</b> .			3.	For	FAA Use Only	/				
								• • • •			
			4. Un	it identi	ficat	<b>ion</b>				5.	Гуре
Unit		Ma	ke			Model		Serial	No.	Repair	Alteration
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A. Agency	y's Name and	Address	· · · · · · · · · · · · · · · · · · ·			B. Kind of A			C.	Certificate No	
Dan Byker 1885 460th Hawarden,	nSt					Foreign Certific Certificated Rep	ated Mechar	ic ,	303	2178	
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Date 11-07-06						ture of Authoriz		Jal			
						for Return To		~~ ~~			
Pursi	dministrator o	f the Fede	n persons specif ral Aviation Adm	ied belo inistratio	w, th n an	e unit identified d is 🖌 APPRO	l in item 4 VED	RE RE	JECTED	-	ibed by
BY	FAA Fit. Standa Inspector	ards	Manufacturer		x	Inspection A		Л	er (Specify	)	
	FAA Design	I	Repair Station		L	Person Appove Canada Airwor	thiness Grou	p .	<u> </u>		
•	oroval or Reje	ction	Certificate or Des	ignation N	lo.	Signature	of Authoriz	zəd Individu			
11-07-06 AA Form 3	337 (12-88)		3032178			L W	the	B	Ilk	••••••••••••••••••••••••••••••••••••••	

# NOTICE

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

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

Installed Avglas airbox repair kit p/n FG-100, IAW STC SE00164SE, and Avglas dwg B5.

Additional Sheets Are Attatched Reproduced by Avantext, Inc.

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U.S. Department of Transportation Federal Aviation Administration	A)	MAJOR REPA				•		)	0	F	2120-0020 For FAA Use O entification	· · ·
instructions and	disposition of t	his form. This report	t is requir	ed b	by I	law (49 U.S.C	. 1421)					
1. Aircraft	Make Cessna						Model 150D	•				
	Serial No. 15060125						Nationa 4125U	•	egistration M	ark .		
2. Owner	aft       Cessna         Serial No. 15060125         er       Name (As shown on registration certificate) David E. Larsen         4. Unit Id         t       Make         E      (As de						P.O. B	ox 353	wn on registra		ficate) 👌	
			3.	For	r F/	AA Use Only						, · · ·
		4. Un	it identif	icat	tion	n					5.1	уре
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		7	. Appro	val	for	r Return To S	<i>Sulle</i> evice	~				
the Admin	istrator of the F	given persons specif ederal Aviation Adm	ied belov	v.th	ne i	- unit identified i	in item	4 was ii	nspected in		anner prescr	ibed by
	Fit. Standards ector	Manufacturer		X		Inspection Au	uthoriza	ition	Other (S	pecify)		
FAA	A Designee	Repair Station				Person Appoved Canada Airworth						
Date of Approva	l or Rejection	Certificate or Des	ignation N	0.		Signature o			dividual			
6/29/06		3032178				Y>-	an _	<u> </u>	llea			

## NOTICE

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

8. Description of Work Accomplished

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

Cessna 150D, s/n 15060125, N4125U

Installed F&M Enterprises oil filter adapter, model T.A.F.-L, IAW STC SE7559SW and Model T.A.F.-L installation instructions.

Warning! One half-inch clearance must be maintained around the filter can. The only approved filters for this installation are: Champion CH48108 and AC-OF53-A

	2 S Departm	ant the second	U100	MAJOR REP		AND	ALTERATI	ON ;	1810 C 2015 (101 - 191	OMB No	proved . 2120-0020	
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				be all entries. See FA This report is requir ion 901 Federal Avi				and AC 4 ailure to r	eport can result in	nt revision a civil pen		
1.4	Aircraft			na	•		· · · · · · · · ·	Model	50D			
			1000	)125 (mail to ba					ality and Registrat 125U	ion Mark		2° 2 '
2. 0	Owner	S	oux	n on registration c Aero Inc.				4244	Elmwood Ave		certificate)	
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D.	I certify have been furnishe	hat the repair a on made in acc d herein is true	and/	or alteration made to nce with the require correct to the best	o the ur ements	nit(s) i s of Pa	dentified in item	4 above a Federal	and described on the Aviation Regulation	he reverse of the second secon	or attachmen at the inform	its hereto
Date									$\cap$			
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					7. Ap	1	for Return To S	Service	PYGAL			
Pur Adr	suant to	the authority or of the Feder	give al Av	n persons specified iation Administratio	1 holo	v the	unit identified i xI APPROVED	in item 4	was inspected in	the mann	er prescribe	d by the
IY -		Fit. Standards ector		Manufacturer		Inspe	ection Authorizati		Other (Specify)			
		Designee	X	Repair Station		Perso Cana	on Approved by T da Airworthiness	ransport Group	1 .			
ate o (	Approv	al or Rejection		Certificate or Designation No. CRS DDNR 79	2.1.	Sign	ature of Authoriz	ed Indivi	dual			
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	NOTICE	
Weight and balance or operating limital compatible with all previous alterations	tion changes shall be entered in the appropriate aircraft r s to assure continued conformity with the applicable air	ecord. An alteration must be worthiness requirements.
		science in the
	al sheets. Identify with aircraft nationality and registration mark	k and date work completed.)
<ol> <li>Installed GX65 GPS Com as a FS 14.2 and PM501 Intercom Into F Instructions. The Unit was ground te</li> </ol>	≓R ॠF unit into FS 13.0, AT50A Into FS 13.1, AR850 Mo S 14.5. Installation Of GX 65 was Completed IAW ma ested and All Operaions Checks Were good. Labeled I	nufacturers
manufacturers Instructions, Comple Para B and Far 43 appendix E para 3. Installed PM501 Intercom IAW ma	613.1) and AR850 Mode C Encoder (FS14.2) In accord ted Integrated System (correlation and transponder te C. All Systems tested Good. anufacturers Instructions as a two place intercom. ope	st) IAW FAR 91.413
chapters 1,2,3. andAC20-138. The l nor do they cause a condition of cur 5. The weight and balance and equi	s were Infaccordance with AC43 13-1A chapters 5,11, Installations do not interfere with any other existing ins rent draw of over 80% rated all output.	talled equipment
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### NOTICE

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

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

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ADDITIONAL SHEETS ARE ATTACHED

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	FEDERAL AVIA	ATION AGENCY	· · · · · · · · · · · · · · · · · · ·	
	APPLICATION FOR AIRY		FICATE	FORM APPROVED BUDGET BUREAU NO: 04-R038.1
INSTR tive.	UCTIONS: Please print or type. S Use attachments or extra sheets as m	submit this form, original ecessary.	only, to an authoriz	ed Federal Aviation Agency Representa-
_ E 8	1. AIRCRAFT IDENTIFICATION NO. N. 41250	2. AIRCRAFT MAKE Cessi	a	3. AIRCRAFT MODEL 150D
PART I AIRCRAFT DESCRIPTION	4. AIRCRAFT SERIAL NUMBER	S. ENGINE MAKE	nental	6. ENGINE MODEL 0-200-A
A 20	7. NUMBER OF ENGINES	B. PROPELLER MAKE MCCa		PROPELLER MODEL 1A100/MCM 6950
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IV Affication	I hereby certify that the aircraft tion (s) requested. I further certify with the Federal Aviation Agency, Regulations and Regulations of th aircraft. ( <i>Check and complete approp</i> 1. CERTIFICATE OF REGISTRATION, FAA FOI CAPPUCATION FOR REGISTRATION BRANCH FAA AIRCRAFT REGISTRATION BRANCH 3. DEALER'S AIRCRAFT REGISTRATION CERTI	ft described above has be y that I am the registeres as required by the Federa e Administrator and tha priate ritem(s): this include. RM 500 (PART A) DATE OF ISSUE FORM 500 (PART B). FAA FORM ON (Date) FFGATE, FAA FORM 1707 (FEDERA	the following evid completion of items 1 500 FORWARDED TO	irworthy and eligible for the classifica- it) of this aircraft which is registered. 58 and the applicable Federal Aviation ence of registration is displayed in the and 2 on the reverse side of this form.)
PART OWNER'S CEI	<ul> <li>A. REGISTERED OWNER'S FULL NAME AND PEAM Cessna Aircraft Com 5800 Pawnee Road Wichita 10, Kansas</li> <li>*In order to be eligible for registrat owned by a citizen of the United Section 101(13) of the Federal A:</li> <li>ATTACHMENTS (Check ubick).</li> </ul>	ipany	for Det	RECHART & C
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	AIRCRAFT INSPECTION	N REPORT	representative.)
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1. AIRCRAFT CERTIFICATION BASIS The aircraft described in PART I o	n the reverse of this form has been	inspected and found to conform t	o the following:
	<ul> <li>A second sec second second sec</li></ul>		
A. X AIRCRAFT SPECIFICATION OR TYPE CEP	RTIFICATE DATA SHEET NO	9 REVISK	ON NO
B. AIRCRAFT LISTING, PAGE NO.(5) C. X AIRWORTHINESS DIRECTIVE SUMMARY	1963	(YEAR) THROUGH CARD NO.	20
D. UPPLEMENTAL TY*E-CERTIFICATE NO.			
E. OTHER	(Spe	cify)	
2. AIRCRAFT AND ENGINE OPERATING RECORDS			
A. X AIRCRAFT NEW-NO PREVIOUS OPER	ATION OR MAINTENANCE HISTORY		
B. COMPLIANCE WITH APPLICABLE AIRWI	ORTHINESS DIRECTIVES RECORDED	HOURS	
D. ENGINE RECORDS INDICATE THE FOL	LOWING OPERATION		
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SERIAL NO.	TOTAL HOURS	TIME SINCE OVERHAUL	
3. AIRWORTHINESS DOCUMENTATION			
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B. CURRENT OPERATING RESTRICTIONS	(LIMITATIONS), AVAILABLE IN AIRCRAFT		
D. T CURRENT WEIGHT AND BALANCE INF	ORMATION, AVAILABLE IN ARCRAFT		
E. THIS INSPECTION HAS BEEN RECORD			
G. FAA FORM 337, MAJOR REPAIR AND G. FAA FORM 317, STATEMENT OF COM	NFORMITY, (ATTACH WHEN REQUIRED)		
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PAA AIRCRAFT REGISTRY CAMERA NJ. 2 NDATE: 9-12-84

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n i	MAJO	R REPAIR AN owerplant, Pr		ERATION	erntor #72	- ~		OR FAA		
	(Airframe, P	owerplant, Pr	opèlféi	To Applic	ince)		OFFICE	IDENTIFIC	ATION C	E-GADO-1
INSTRUCT	TIONS: Print or typ	oe all entries. See	FAR 43.	.9, FAR 43 Apj	pendix B, and	AC 43.9-	1 (or sul	sequent i	evision t	hereof)
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	n A, Temple Douglas Drive		F				A	&P 147	73587	
	apolis, Minn	· · · · · ·	-	MANUFACTUR	REPAIR STATION			2		
D. I certify	that the repair an	d/or alteration ma	de to th	e unit(s) ider	mified in item	4 above	and des	cribed on	the reve	rse or
attachme	nts hereto have been the information fu	en made in accords	ince with	h the requirem	ents of Part 4	3 of the	U.S. Fede	ral Aviati	on Kegu	lations
DATE		<del>, in an an an an ing</del>	S	IGNATURE OF	AUTHORIZED	INDIVID	UAL .		•	
10	-(9-64)	e ;		Jon	don ,	G - J	lem	pto	ta	-
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	*ECTOR			ANADIAN DEPART					· · · ·	*- **
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DATE OF APP	ROVAL OR	CERTIFICATE OR	SI	GMATURE OF	AUTHORIZED		UAL		1.1	
REJECTION	7-66	DESIGNATION NO A&P 147358		yon	dai	G	Jen	Ali	ta	· .
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VAA AIRCRAFT REGISTRY CAMERA NO. 2 NDATE: 9-



FAA AIRCRAFT REGISTRY CAMERA NO. 2 NDATE: 9-12-84

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		FEDERA	AVIATION AC	BENCY 🤍	erified by (	<b>Spet</b> at	oved. OP #36
MAJOR	REPAIR AND ALTERAT	ION FORM (	AIRFRAME, PO	WERPLANT, PI	OPELLER	OR API	'LIANCE)
AIRCRAFT	Cessna	MC	001 150D	SERIAL NO. 1506012	5 N	141250	ID REGISTRATION MAR
	AME (First, middle, last) Crystal Shamrock In	C.		DRESS (Stred and sumb			
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COMPLETE	ONLY FOR UNIT REPAIR	ED AND/OR			OMPLISHED	ON RE	VERSE IN AC-
- NOT	I WITH CIVIC RENORADIN		••••••••••••••••••••••••••••••••••••••	1	- <u>-</u>		WORK (Cheek)
	MAKE		MODEL	SERIAL NO.		R REFAIR	MAJOR ALTERATION
AIRFRAME	••••••••••	🔶 (As described i	n item I above) 🕬 🕬		m x	I	
POWERPLANT	· · · · · · · · · · · · · · · · · · ·				-	i	
	N . N. B	1-10		<b>1</b> · · · · · · · · · · · · · · · · · · ·	· · · · · ·		<u>+</u>
PROPELLER		<u> </u>		ļ	<u> </u>		<b>_</b>
APPLIANCE	TYPE AND MANUFACTURER	4				ана. 1910 г. – К	e.
		· · · · · ·			- 11 - 11 <del>-</del>		
AIRCRAFT	WEIGHT AND BALANCE D the repairs and/or alterations cribed below were made.	case of a	n must be comple spare component an aircraft. At ble.	, it will not be co	mpleted until	l such co	Icwever, in the imponent is in- stalling agency,
CATEGORY	EMPTY WEIGHT (P			OF GRAVITY (Inches fro	m datum)*	USEF	UL LOAD (Pounds)*
Utility	1065	٤.	<b>30</b> (		1 ···	· [].	
	1005		32.4			535	F
	TY STATEMENT (Complete and	( check)					
AGENCY'S NAME	AND ADDRESS	<u> </u>	5. KIND OF AGENCY			CERTIFICAT	L NO.
	Westfall		<b>F</b>	icated Mechanic. tificated Mechani	a	&P 15	4-5\$57
6000 Doug Crystal 1	glas Drive No.		Certificated	Repair Station.		1	
			Manufactur		14		- 1 -
			Was	eck if repair or a made under deleg		14.1	
T	A 41	<u></u>		procedures.)			
attachments	t the repair and/or alteration hereto have been made in a	on made to the ccordance with	unit(s) identified	of Part 18 of the	ve and desci U. S. Civil Ai	r Regula	the reverse or
the informat	ion furnished herein is true s	and correct to t	ue Dest of my kno		1 -1	01	V in
	and/or alteration completed)		AM	Bignature of aut	horized individual	<u>un</u>	
	FOR RETURN TO SERVICE	(Check and comple	te oppropriate itema)			<u> </u>	
Pursuant to	the authority specified below Federal Aviation Agency an	the unit ident		s inspected in the	manner, pres	cribed b	y the Adminis-
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				anadian Department ther (Specify) 4	-	ort Inspe	etor of Aircraft
2	Standards Inspector	, Птерат					
ZATAT	20-11964		41 39687	Carl J.	F. Olm	u X	~
- 00	approval or rejection)	- 4	(Bignatur	e of authorized individu	mi; title or identii	lestion nur	nber)
TO BE COM	PLETED ONLY BY FAA PE	REONNEL		· ·			· · · ·
	for engineering comment		ached memorandu			·	Age to the
Accepted .	<u>6 - 69</u> [ (Data) [	] Reinspected _	(Date)	[] Spo	t Checked		Date)
5-14				mithe .	OV = - 10		
/ / / •	E-GADO-14,	·	/D/	Kelaam	<u>0V 1 3 19</u>		· ·
	designation number						
	designation number)		<u> </u>	(Signature Flight	Standards Inspect		m FAA-887 (4-52)

PAA AIRCEAFT REGISTRY CAMEBA RO. 2NDATE: 9-12

### INSTRUCTIONS

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

Repair was made on right wing tip from station 174.00 to tip. Rear spar splice wasmade at station 165 Front spar was spliced at station 176. as per Cessna 100 series manual figure 19 - 7. All parts were Cessna new manufactored.

New parts list > Used Het no SK40A60-1

1 ea. 0523515-3 rib

lea. 0523515-5 rib

lea. 0523701-4 tip

1 ea. 0721107-2 fairing

1 ea. 0523003-81 skin

1 ea. 0523003-83 akin

1 ea, 10523003-57 akin

lea. 0523515-4 rib

1 ea. 072608-2 rib

"If additional si

12

1 ea. 0523317-1 spar outer end used

ded attach additional sheets h

1 es. SE40A50-1 kit

Check block if additional sheets are attached.

End -

and registration mark and date work

Form FAA-837 (4-52)

PAA AIRCEAPT REGISTRY CAMERA NO. 2NDATE: 9-12-84

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	میں ہی ڈ ا	FEDERAL	AVIATION	GENCY	В	Idget Bureau No. 04-18000.
MAJO	R REPAIR AND ALTERAT	TON FORM (	AIRFRAME, P	OWERPLANT, PROP	ELLER OI	R APPLIANCE)
I. AIRCRAFT	MAKE .	мо	D <b>E1</b> .	SERIAL NO.	1 3	ALITY AND REGISTRATION M
I. AINCIDE I	CO S SNA NAME (First, middle, last)		1500	150 60125 ADDRESS (Street and number, cl		<u>V 4125 U</u>
2. OWNER	Crystal Shearoo	in The		60CO Douglas		
				Einneapolis		
3. COMPLE CORDAN	TE ONLY FOR UNIT REPAI	RED AND/OR A	LTERED. DES	CRIBE WORK ACCOM	PLISHED C	ON REVERSE IN AC
UNIT	MAKE		MODEL	SERIAL NO.	MAJOR	REPAIR MAJOR ALTERATI
					MAJOR	REPAIR MAJOR ALLEGAN
AIRFRAME		An described i	n item I above) 🖊			XX WITH APPLICABLE AIRWORTH-
6. POWERPLAN	r .	· · · ·	•	INESS REQUIREMENTS AND I	APPROVED ONLY	FOR THE ABOVE DESCRIMED
c. PROPELLER				CAR 18.11(b).	10	Ba P.
	TYPE AND MANUFACTURER		······································	10-24-63	and	A INSPECTOR
d, APPLIANCE	TITE AND BARDINGTONER	<u></u>	•		QE-G	ADD-14
A AIPCHAR	T WEIGHT AND BALANCE	DATA This ite	m must he som	pleted by repair or alto	ration agen	cy. However, in th
	ER the repairs and/or alterations described below were made.	case of a	spare compone	nt, it will not be comp t this time, it will be c	leted until s	such component is in
- '		if applic	able.			USEFUL LOAD (Pounds)
CATEGOR	Y EMPTY WEIGHT (	Pounde)*	EMPTY CENT	ER OF GRAVITY (Inches from de	aum)-	CSEFUL LOAD (FORMER)
Utilit	v 1050	•	. •	32.4		550
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	,		🖬 U. S. Ce	tificated Mechanic.		
				Certificated Mechanic.		•
	d R. Westfall		Certifica	ted Repair Station.	184	P 154 5157
	Douglas Drive No			Check if repair or alte	ration	•
<b>84</b> 110	eapulis 29, Minne	*24 48		as made under delegati on procedures.)	on op-	
d. I certify	that the repair and/or altera	tion made to th	e unit(s) identii	ed under item 3 above	and descri	bed on the reverse of
attachme the inform	nts hereto have been made in nation furnished herein is true	accordance with and correct to	the best of my h	nowledge.	B. CIVII AIF	Regulations and the
Oct	ober 24, 1963			wind li	~ N	enfalt
	pair and/or alteration completed)			(Signature of author	ized individual)	
	AL FOR RETURN TO SERVI- to the authority specified bel				anner presc	ribed by the Admini
	the Federal Aviation Agency					
× الح	PROVED BY	signee 🔲 Man		] Canadian Departmen ] Other (Specify)	of Transpor	rt Inspector of Aircraf
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/	e of approval or rejection)		(Big	sture of authorized individual;	title or identifie	cation number)
/ 			E AN E	<u>- 22 22 12 15 5 5 5 5 5 5 5 5 5 5 5 5 5 5</u>		
	OMPLETED ONLY BY FAA	PERSONNEL		dum	1	0-24-63
7. TO BE C	ded for engineering comment	See at	tached memora			
7. TO BE C	ded for engineering comment		4 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K Spot	Uhecked	(Date)
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7. TO BE C 	rded for engineering comment ed(Date)	See at Reinspected	102.21	K Spot	ndards Inspecto	
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FAA AIRCRAFT REGISTRY CAMERA NO. 2 NDATE: 9-

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

### 8. DESCRIPTION OF WORK ACCOMPLISHED.\*

Removed Kark IV Narco Superhomer and installed King KX100 in radio panel where Kerk IV was removed. Installed with 4 g8R sheet netal screws and 4 g8 U type tinnerman nuts, same as Superhomer that was removed. Power supply installed on inside of firewall with King mounting bracket and 4 g10 machine screws and nuts with lock washers. Installed ADF T-12B in hele cut out in radio panel below KX100 with 4 g8R sheet metal screws and 4 g8 U type tinnerman nuts. Installed ADF head in hele cut out 3A in. above glove box. Cmni head was installed in instrument hele on panel to the right of left control wheel. Loop antenna was routed under floor boards and installed, at 42 in. station under fuselage. Electrical load check taken and found to be 27.35 amps.

Item	Weight	Arm	Moment
Airplane Mark IV King tuner unit	1027.5 -7.5 6.5	32.6 12.0 11.0	33498.5 -90.0 71.5
Power supply	3.8	2.0	7.6
Omni indicator	2.0	17.0	34.0
Cables	1.7	8.0	13.6
ADF control unit	5.0	14.0	70.0
Head	8.5	18.0	37.6
Cables and antennas	6.0	42.0	336.0
New E.W. and C.G.	1049.5	32.4	33976.7

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# TANCHIA-TUNGCA

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	[1] A. S. Martin, M. S. Martin, M. S. Martin, M. S. Martin, and S. Martin, Phys. Rev. Lett. 71, 100 (1997).	0 U.S. GOVERNMENT PRINTING OFFICE : 1961 C -587350 FORM FAA-837 (4-52)	
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