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

OMB No. 2120-0020 Exp: 5/31/2018	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. F-3222 N527RS 1. Aircraft Make Model Series Raytheon Alrcraft Corp. Name (As shown on registration certificate) Address (As shown on registration certificate) Lookout Mountain LLC Address 45 Buena Vista 2. Owner Mill Vallay City State CA Zlp 94941-1231 Country USA 3. For FAA Use Only 4. Type 5. Unit Identification Repair Alteration Unit Make Model Serial No. Raytheon Aircraft Corp E-3222 **AIRFRAME** (As described in Item 1 above) х **POWERPLANT** PROPELLER Type **APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U, S. Certificated Mechanic Ken Robbins c/o Scanlon Aviation Manufacturer Foreign Certificated Mechanic C. Certificate No. State CA City Certificated Repair Station Novato Certificated Maintenance Organization Zip Country 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 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 Persons Approved by Canadian Department of Transport FAA Flt. Standards Manufacturer Maintenance Organization Inspector BY Other (Specify) FAA Designee Repair Station Inspection Authorization Certificate or Designation No. 3129824 Signature/Date of Authorizeti 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.

Description of Work Accomplished	No. Berkeling on the party				atabad i
(If more space is required, attach additional	sheets. Identify with aircr	aft nationality and re	gistration mar	k and date work com	preted./
		a A Proportion Ma		Date	
		and Registration Ma			essal CMV
moved a Bendix/King KT76C Transponder a 0, TAS600 and encoder, IAW STC SA01714 v 5. Change to Weight and Balance negligit	HAR Day 3 Decouded Light	(-345 ADS-B IN/OU nin AFMS, p/n 190-0	T coupled to to 00734-15, Rev	2 and ICAW, p/n 19	0-00734-11,
		Jan Land Barrer		M. Sellenson unbeig in	
					Town street
		er et inne sepanne et			
	Additional She	ets Are Attached			E Superior

Federal Aviation Administration

# 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. 142	1). Failure to report can result in civil penalty not to exceed \$1,000
for each such violation (Section 901 Federal Aviation Act of 1958).	

for	d dispositi	on of this form.	This	report is required to	No Texas 2	1108	S.C. 1421). Fall	lure to repo	ort can result in civil p	enalty not	to exceed \$1,0	000
Make Beech						L. King	Model A36					
1. AI	reratt	Serial No. E-3265			EY			Nationali N527	ity and Registration M RS	ark		
2, 01	wner	Name (As a)		on registration certif NTAIN LLC	licate)			Address (As shown on registration certificate) 1700 JONES ST APT 1 SAN FRANCISCO CA 94109-2160				
U						3.1	For FAA Use Or	nly		1		
						4. (	Jnit Identificati	on			5. Type	
	Unit		M	lake			Model		Serial No		Repair	Alteration
AIRF	RAME				(As de	scribe	ed in Item 1 abov	/e) ——				
POW	ERPLANT	TCM			10-55	50 B 684009		684009			X	
PROF	PELLER											
APPL	IANCE	Type Manufacturer										
							nformity Stater	nent	Mark Company		S THE SE	NA .
A. Ag	ency's Nan	ne and Addres	S			B. K	Cind of Agency			C. Certifi		SALE PROPERTY.
P.0	BOX 115	VIATION INC 7 CA 95776	•			U.S. Certificated Mechanic AWKR 2' Foreign Certificated Mechanic L-PP, L-F  X. Certificated Repair Station			298C AF-1,3 RAD 1,2,3 PRP,L-INS			
			31(1)				Manufacturer				ALL LED	
	have been	made in accor	dance	alteration made to the with the requirement of the best of n	nts of Pa	art 43	of the U.S. Fede	above and eral Aviatio	described on the rev in Regulations and the	erse or att at the infor	achments here mation	eto
Date	6 100	110-11-10	(e)			Sign	nature of Authori	zed Individ	dual			STATE OF THE PARTY
9/23	3/2005						awn Matthies	1	11 7	NIN	lino .	
-			Total Control				I for Return To					
Adm	uant to the inistrator of	f the Federal A	n pers viatio	ons specified below n Administration and	the uni	t iden	APPROVED	as inspect	ted in the manner pre REJECTED	scribed by	the	
BY _	FAA F Inspec	lt. Standards tor		Manufacturer		Inspection Authorization Other (Specify)						
		esignee	X	Repair Station		Pers Can	on Approved by ada Airworthine	Transportes Group	t de la constant de l			
	Approval /2005	or Rejection	3/4	Certificate or Designation No.			ature of Authoriz	zed Individ	dual	m	20	
			19 18	AWKR298C				14	Brem 1	Ma	Minted	

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 six TCM fuel noxxles P/N 632748-16B and installed six General Aviation Modifications, Inc. turboGAMIjectors kit No. GT16B S.N. 14160 STC no. SE09289SC PMA no. PQ821SW per turboGAMIjector Installation Procedure Noo. IP-97-002 (rev 001) dated February 6, 1997.
No change in weight and balance.
END
Additional Sheets Are Attached

# US Department of Transportation

Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use 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 civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

	Make Raytheon Serial No. E-3272					N.	Model A36  Nationality and Registration Mark N527RS					
1. Aircraft						1						
2. Owner	Name (As shown on registration certificate) LOOKOUT MOUNTAIN LLC					A	ddress	(As shown on registr JONES ST APT 1 RANCISCO CA 94		ficate)		
GERLAN.				William	3. F	For FAA Use Only			Inconta	0.000716		
					4. 1	Unit Identification	ed ex			5. Type	Mark Control	
Unit		Ma	ke			Model		Serial No	i.	Repair	Alteration	
AIRFRAME				(As de:	scribe	ed in Item 1 above)					x	
POWERPLANT			1									
PROPELLER												
APPLIANCE	Type Manufacturer											
					6 Co	nformity Stateme	nt					
A. Agency's Nar	ne and Address		i kawa sa wa sa	Wall W		Kind of Agency	111		C. Certif	icate No		
	VIATION INC.			No Volt		U.S. Certificated M	lechanic	The sales of the sales	AWKR 2	98C AF-1,3 R	AD 1,2,3	
P.O. BOX 115						Foreign Certificate		nic	L-PP,L-F	PRP,L-INS	ASSIS	
WOODLAND	CA 95776				X Certificated Repair Station							
The state of the s		- H-1				Manufacturer					100	
have been	made in accorda	ance	teration made to the with the requirement to the best of n	nts of Pa	art 43 edge.	of the U.S. Federa	al Aviatio	described on the re on Regulations and the	verse or at nat the info	tachments her rmation	eto	
Date	MI PORTER OF				Sign	nature of Authorize	d Individ	dual /	No to the	1	R P VICE	
9/23/2005						nawn Matthies	4	mill	lan	hier		
					_	al for Return To S				Miller	M. De To	
Pursuant to the Administrator of	authority given point the Federal Avi	perso	ons specified below Administration and	the uni	t iden	tified in item 4 was	inspect	ted in the manner pro REJECTED	escribed by	y the		
BY FAA F	fit. Standards ctor		Manufacturer		Insp	pection Authorization	on	Other (Specify				
FAA		X	Repair Station		Pers	son Approved by T nada Airworthiness	ranspor Group	1				
Date of Approval 9/23/2005	or Rejection		Certificate or Designation No. AWKR298C		100	nature of Authorize awn Matthies	d Individ	iual (	M	thier		

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.

Description of Work Accomplished     (If more space is required, attach additional sheets, identify with aircraft nationality and registration mark and date work completed.)									
Installed turbo normalizing system in accordance with STC# SA5223NM, in accordance with Tornado Alley Turbo drawing list installation instructions number TAT-B-MDL rev. no, dated 09/29/1999 or later FAA approved revision.									
Instructions for continued airworthiness listed in Flightcraft Turbo Inc. Report # 96-9 rev. none, dated 6/10/1996. this document is filed with the aircraft logbooks, and associated paperwork.  Installed modified engine baffles in accordance with STC# SA00035DE in accordance with FliteCraft Turbo, Inc. Master Drawing List No. BON, dated May 11, 1993, or later FAA approved revision.									
END									
	18								
The suppose of the su									

# US Department of Transportation

Federal Aviation Attministration

# 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 civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

TOT CHICH SOCI	Algertini (Section	1 901	Federal Aviation A	ct of 182	D).							
	Make Raytheon					Model A36						
1. Aircraft	Serial No. E-3222		THE REAL PROPERTY.		Nationality and Registration Mark NS27RS					A (A)		
2. Owner	Name (As show LOOKOUT M		registration certific	cate)	Address (As shown on registration certii 1700 JONES ST APT 1 SAN FRANCISCO CA 94109-2160					icate)		
	Saul Land		With the same of		3. Fc	r FAA Use Only						
PATAL TRANS	N. C.			digital.	4. Ur	nit Identification				5. Type		
Unit		Ma	ke			Model	la sa	Serial No	).	Repair	Alteration	
AIRFRAME	-			(As des	scribed	in Item 1 above)						
POWERPLANT	T TCM 10-550			В		684009				х		
PROPELLER	Y = 4 = 1											
APPLIANCE	Type Manufacturer											
	10000	Whi.		6	. Con	formity Statement	INC.	MS NEU	Tall yall	No.		
A. Agency's Na	me and Address			HE FIL	B. Ki	nd of Agency			C. Certifi	cate No.	LIVES D	
WOODLAND	AVIATION INC.					U.S. Certificated Mechanic		The state of		98C AF-1,3 R	AD 1,2,3	
P.O. BOX 11	Carlotte Control of the Control of t				V .			L-PP,L-P	L-PP,L-PRP,L-INS			
WOODLAND	CA 95776				X Certificated Repair Station							
have been	made in accord	ance	Iteration made to to with the requirement rect to the best of r	ents of Pa	art 43 c	Manufacturer fied in item 4 above and of the U.S. Federal Aviation	descr on Reg	ibed on the re- ulations and th	verse or att	achments here	eto	
Date		151	VINE DESCRIPTION		Signa	ature of Authorized Indivi	idual		1 ( )			
9/23/2005						wn Matthies	1	man of	M	mhin		
				7. App	proval	for Return To Service				· ·	VO. STATE	
Pursuant to the Administrator	e authority given of the Federal Av	pers	ons specified below Administration an	v, the uni d is	t identi	fied in item 4 was inspect APPROVED D	cted in t	the manner pre	escribed by	the		
BY FAA Inspe	Fit. Standards ector		Manufacturer		Inspe	ection Authorization	C	other (Specify				
	Designee	Х	Repair Station			on Approved by Transpo da Airworthiness Group						
Date of Approva 9/23/2005	l or Rejection		Certificate or Designation No. AWKR298C			ature of Authorized Indivi wn Matthies	idual	1/5	Plan	This		

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 turbo normalizing system in accordance with STC# SE5222NM, in accordance with Flight Craft Turbo drawing list installation instructions number ETI-B-01 rev. A dated 02/17/2001 or later as listed on the approved model list of this STC, dated August 22, 1991 or later FAA approved revision.									
	Instructions for continued airworthiness listed in Flightcraft Turbo Inc. Report # 96-9 rev. none, dated 6/10/1996. this document is filed with the aircraft logbooks, and associated paperwork.									
	Weight and Balance ammended.									
	END									
	☐ Additional Sheets Are Attached									

# US Department of Transportation

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

Form /	Appr	VO	be		Ī
OMB	No.	21	20-	002	0

For FAA Use Only

Office Identification

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Federal Aviation Administration

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958). Make Model Raytheon Aircraft Co. A-36 1. Aircraft Serial No. Nationality and Registration Mark E-3222 **N527RS** Name (As shown on registration certificate) Address (As shown on registration certificate) 1700 Jones St. Apt. 1 Lookout Mountain, LLC. 2. Owner San Francisco, Ca. 94109-2160 3. For FAA Use Only 4. Unit Identification 5. Type Unit Make Model Serial No. Repair Alteration AIRFRAME (As described in Item 1 above) --XX POWERPLANT PROPELLER Type APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency C. Certificate No. U.S. Certified Mechanic Foreign Certified Mechanic FAA CRS AWKR 298C Woodland Aviation Inc. AF-1,3, RAD-1,2,3. 17992 County Road 94B Certificated Repair Station L-PP, L-PRP, L-INS Woodland, CA 95695 Manufacturer D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. Date Signature of Authorized Individual September 26, 2007 Douglas E. Barton 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is REJECTED Other (Specify) FAA Flt. Standards Manufacturer Inspection Authorization Inspector BY Person Approved by Transport Repair Station FAA Designee Canada Airworthiness Group Date of Approval or Rejection Certificate or Signature of Authorized Individual

Douglas E. Barton

September 26, 2007

Designation No.

**CRS AWKR298C** 

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

# B. Description of Work Accomplished

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

Removed the following equipment: Manufacturer	Model	Part No.	Description	TSO
Avidyne Avidyne	5RR 5RRMFC	D98-00003-01 D98-00001-47	CD ROM Loader Multi-Function Display	C113 C113
beatelled the females .				

#### Installed the following equipment:

Garr

Manufacturer	Model	Part No.	Description	TSO
min	GMX-200	011-01465-00	Multi-Function Display	C113

Removed Avidyne 5RRMFC Multi-Function Display, and 5RR CD ROM Data Loade, and installed in same location a Garmin GMX-200 Multi-Function Display. Installed Garmin GMX-200 Multi Function Display in accordance with Garmin Supplemental Type Certificate Master Data List, P/N 005-C0315-00, Revision B, dated July 05, 2007, or later FAA approved revision, and FAA STC SA01692SE, dated August 11, 2006.

Garmin P/N 190-00607-01 Rev. B, Airplane Flight Manual Supplement, dated July 13, 2007, for the GMX-200 Multi Function Display, was placed in the FAA Approved Pilots Operating Handbook. Garmin GMX-200 Pilot's Guide and Reference Document Number 190-00607-02 Rev. B, dated November 2006, was placed in the aircraft, and must be available to the flight crew during aircraft flight operations.

All work was accomplished in accordance with manufacturer's instructions, FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-37; Section 4, paragraph 11-47 through 11-53; Section 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16 and 17 as applicable, Chapter 12, Section 2. FAA AC 43.13-2A, Chapter 1, paragraph 12, Chapter 2, paragraph 21, 22, 23, 24; Chapter 3, paragraph 36.

The installed equipment was operationally tested and performed satisfactorily and did not adversely affect existing equipment or systems in the aircraft as required by FAR 23.1301.

The Aircraft Weight and Balance and the Aircraft Equipment List were amended in accordance with AC 43.13-1B, Chapter 10, Section 2, paragraph 10-16, 10-20.

Electrical load was checked in accordance with FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-33, 11-36, 11-37, and does not exceed 80% of the approved buss load rating.

Instructions for continued airworthiness requires a visual inspection and operational test of this equipment annually in accordance with manufacturers instructions and FAR 43, Appendix "D", and Garmin ICA Document No. 190-00607-00, Rev. A, dated 06/19/06.

### THE END

# US Department of Transportation

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

Form Approved OMB No. 2120-0020

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Office Identification

Federal Aviation Administration

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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

\$1,0	out for each	such violation	(Sec	ction 901 Feder	al Aviatio	n Act	of 1958).				
		Make		Raytheon Airc	A STELLED	Model					
1. Air	craft	Serial No.		E-3222			Nationality and Registration Mark N527RS				
		Name (As si	nown	on registration	certificate						
2. Ov	vner		1	ookout Moun	tain III	0				es St. Apt. 1 , Ca. 94109-21	80
		Lookodt Woulltain, LL						Jairi	Taricisco	, 00. 94109-21	00
					3	. For	FAA Use Only	/			
				4. Uni	t Identifi	catio	n			5. Type	
	Unit	Make					Model	Seri	al No.	Repair	Alteration
AIRFI	RAME	(As descr					in Item 1 above	)			xx
POW	ERPLANT										
PROF	PELLER										
		Туре				1.80			ZUV.	ay Valence	La Paris
APPL	IANCE			ARREST A							
		Manufacture	er								
	Marine Same	May salvie			6.		ormity Statem	ent			
A. Age	ency's Name	and Address		Market No.	The same	B. K	Gind of Agency U.S. Certified			C. Certificate No	WELL SERVICE
		Woodland Av	iatio	n Inc			Foreign Certified			FAA CRS A	WKD 2090
		17992 Co. I				х	Certificated R			AF-1,3 F	AD-1,2,3
		Woodland, C					Manufacturer		Paring AVI	L-PP, L-PF	
D. Io	ertify that th	e repair and/o	r alte	ration made to	the unit(s	s) ide	ntified in item	above and descri	bed on the	e reverse or attach	ments hereto
fur	mished here	in is true and	corre	ct to the best o	f my know	wledg	je.	Federal Aviation R	egulations	and that the infor	mation
Date	al Met 4	0 1 1	0.00	207		Sign	nature of Author	rized Individual	2 -	THE REAL PROPERTY.	
		September 2	20, 20	007		Dou	iglas E. Barton	Must	7.63	2	
					7. Appr	roval	for Return to	Service /			
Admi	uant to the a nistrator of t	uthority given he Federal Av	perso	ons specified by Administration	elow, the	unit	identified in ite  APPRO	m 4 was inspected	in the ma	nner prescribed b	y the
		Standards						NAME OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,	Other (S	Specify)	
BY	Inspecto			Manufacturer	Sales I		Inspection Au	thorization			
31	FAA Desi	gnee	x	Repair Station	,			oved by Transport orthiness Group			
Date o	of Approval of	or Rejection		tificate or		Sign	nature of Author	orized Indigidual	0		CONTRACTOR OF THE PARTY OF THE
	September 2	26, 2007	3200	ignation No.	R 298C	Dou	iglas E. Barton	Harole	8.6	neto	
AAE	rm 337 /12.6	01	-					War and and		WWW.	

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.

# B. Description of Work Accomplished

Installed the following equipment:

Manufacturer

Model

Part No.

Description

TSO

Garmin Garmin GNS-530W GA-35 011-01064-00 013-00235-00

NAV/COMM/GPS/WAAS GPS/WAAS Antenna C146a C144, C129a

Installed Garmin Model 400W / 500W Series GPS-WAAS Navigation System in accordance with FAA Approved Garmin 400W Series Master Data List, Drawing No.: 005-C0221-00, Revision "A", dated October 31, 2006, or later FAA approved revision; or FAA Approved Garmin 500W Series Master Data List, Drawing No.: 005-C0221-01, Revision "A", dated October 31, 2006, or later FAA approved revision. For Garmin 500W installation: FAA Approved Garmin 500W Series Airplane Flight Manual Supplement, Document No.: 190-00357-63, Revision "Original", dated December 21 2006, or later FAA approved revision, was placed in the aircraft and be available to the flight crew during aircraft flight operations. Installation made in accordance with FAA STC SA01933LA, dated November 6, 2006.

Updated the aircraft Equipment List to reflect the new WAAS Unit. The current electrical load analysis remains valid since the new units draw the same or less current than the original units.

All work was accomplished in accordance with manufacturer's instructions, FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-37; Section 4, paragraph 11-47 through 11-53; Section 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16 and 17 as applicable, Chapter 12, Section 2. FAA AC 43.13-2A, Chapter 1, paragraph 12, Chapter 2, paragraph 21, 22, 23, 24; Chapter 3, paragraph 36.

The installed equipment was operationally tested and performed satisfactorily and did not adversely affect existing equipment or systems in the aircraft as required by FAR 23.1301.

Instructions for continued airworthiness requires a visual inspection and operational test of this equipment annually in accordance with manufacturers instructions and FAR 43, Appendix "D", and Garmin ICA Document No. 190-00357-65, Rev. "A", for the Garmin 500W Series, or later revisions.

### THE END

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

Form Approved OMB No. 2120-0020

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Administration INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958). Make Model Raytheon Aircraft Co. A-36 1. Aircraft Serial No. Nationality and Registration Mark E-3222 **N527RS** Name (As shown on registration certificate) Address (As shown on registration certificate) Lookout Mountain, LLC. 1700 Jones St. Apt. 1 2. Owner San Francisco, Ca. 94109-2160 3. For FAA Use Only 4. Unit Identification 5. Type Unit Make Model Serial No. Alteration Repair AIRFRAME (As described in Item 1 above) ----XX POWERPLANT PROPELLER Type **APPLIANCE** Manufacturer 6. Conformity Statement B. Kind of Agency A. Agency's Name and Address C. Certificate No. U.S. Certified Mechanic Foreign Certified Mechanic FAA CRS AWKR 298C Woodland Aviation Inc. 17992 County Road 94B AF-1,3, RAD-1,2,3, Certificated Repair Station L-PP, L-PRP, L-INS Woodland, CA 95695 Manufacturer D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. Date Signature of Authorized Individual September 26, 2007 Douglas E. Barton 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is REJECTED Other (Specify) FAA Flt. Standards Manufacturer Inspection Authorization Inspector BY Person Approved by Transport Repair Station FAA Designee Canada Airworthiness Group

Signature of Authorized Individual

Douglas E. Barton

gla E. Warton

Date of Approval or Rejection

September 26, 2007

Certificate or Designation No.

**CRS AWKR298C** 

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 regularements.

B Dawn	the side of the later	THE RESERVE OF	Name and Address of the Owner, where	THE PERSON NAMED IN
B. Descr	ption o	f Work /	Accomp	lighed

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

Installed the following equipment:

G

Manufacturer	Model	Part No.	Description	TSO
Garmin	GDL-69A	011-00987-00	XM Receiver	FAA-PMA
Garmin	GA-55	011-01033-00	XM Antenna	FAA-PMA

Installed Garmin GDL-69A XM Receiver on the aft avionics at F.S. 197.00", in accordance with Garmin GDL-69/69A installation manual P/N 190-00355-02, Revision E, dated June 30, 2006. Garmin GDL-69A installation made in accordance with FAA STC SA01487SE, dated December 20, 2004, and STC Master Data List P/N 005-C0217-00, Revision C, dated July 28, 2005. Garmin GA-55 XM Antenna was located at F.S. 196.00".

All work was accomplished in accordance with manufacturer's instructions, FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-37; Section 4, paragraph 11-47 through 11-53; Section 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16 and 17 as applicable, Chapter 12, Section 2. FAA AC 43.13-2A, Chapter 1, paragraph 12, Chapter 2, paragraph 21, 22, 23, 24; Chapter 3, paragraph 36.

The Aircraft Weight and Balance and the Aircraft Equipment List were amended in accordance with AC 43.13-1B, Chapter 10, Section 2, paragraph 10-16, 10-20.

The installed equipment was operationally tested and performed satisfactorily and did not adversely affect existing equipment or systems in the aircraft as required by FAR 23.1301.

Electrical load was checked in accordance with FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-33, 11-36, 11-3 and does not exceed 80% of the approved electrical buss capacity.

Instructions for continued airworthiness requires a visual inspection and operational test of this equipment annually in accordance with manufacturers instructions and FAR 43, Appendix "D, and Garmin ICA Document Drawing Number 190-00355-00, Rev. A, dated December 20, 2004.

THE END

☐ Additional Sheets Attached

# US Department of Transportation

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

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

		Make	Raytheon Aircraft Co.				Model A-36				
1. Aircra	aft	Serial No.	110	E-3222	UIL OU			Nationality and Registration Mark N527RS			
2. Owne	er	Name (As shown on registration certificate Lookout Mountain, LLC								50	
	LI COL			O. Stranger	3.	For	FAA Use Onl	у			
			=98	4. Uni	t Identific	ation	1		THE HEAT	5. Type	
υ	nit	Make				٨	Model	Serie	al No.	Repair	Alteration
AIRFRA	ME	(As descri					n Item 1 above	9) ~~~~~		xx	
POWER	RPLANT										
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APPLIA	NCE	Type Manufacture	r								
	BW/EIL		O HERE		6.		ormity Staten			C. Certificate No	SKED LINES
A. Agen	ncy's Nam	e and Address				D. N	und of Agency U.S. Certified			C, Certificate No	Maria de la companya
		Woodland Av 17992 County Woodland, C	Roa	d 94B		Foreign Certified Mechanic FAA C			FAA CRS A' AF-1,3, R L-PP, L-P	AD-1,2,3,	
have	e been ma	ne repair and/o	r alte	ration made to	ments of	Part 4 wledg	ntified in item 43 of the U.S. ge.	4 above and descr Federal Aviation R	ibed on the egulations	e reverse or attack and that the infor	nments hereto mation
Date		September 2	NA.			Sign	nature of Auth uglas E. Barto		2.60	Buton	
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BY	The second second	Standards		Manufacture			Inspection A		Other (S	Specify)	
	FAA Des	ignee	X	Repair Statio	n		Canada Airv	roved by Transport vorthiness Group			
	Approval eptember	or Rejection 26, 2007		tificate or signation No. CRS AWKR	298C		nature of Auth	norized Individual	26	anto	

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

B. Description of Work (If more space is req	k Accomplished uired, attach a	ed dditional sheets,	Identify with aircraft nationality	and registration man	k and date work completed.)
Removed the following	equipment:				
Manufacturer Insight Corp.	Model GEM 610	Part No. 610-001	Description EGT/CHT Indicator	C43b	TSO
Installed the following e Installed J.P. Instrun drawing List Reports N dated August 14, 1985	equipment: nents EDM-70 o. 100, Revision, and amende Revision B, da	on D, dated Dec d June 17, 1999 ited June 17, 19	FAA Approved Airplane Flig 99, or later FAA approved rev	approved revision and Manual Supple	s, and FAA STC SA2586NM, ment No. 1, for EGT-701
All work was accor paragraph 11-37; Section 2. The installed equipme components or systems. The aircraft Weight a Section 2, paragraphs.	mplished in according to the aircraft and Balance at 10-16, 10-20. The approved the approved the approved the approved to the approved the approved the approved the approved to the approved the approved to the approved to the approved the approved the approved to the approved the approved to the approved the approximate the approximate the approximate the approximate the approximate the approximate t	cordance with moth 11-47 through A, Chapter 1, partionally tested at as required by and the aircraft Eaccordance with delectrical buss	nanufacturers' instructions, FAn 11-53; Sections 5, 6, 7, 8, 9 ragraph 12, chapter 2, paragraph 12, chapter 2, paragraph Approximately and performed satisfactorily an FAR 23.1301.  quipment List were amended FAA AC 43.13-1B, Chapter	, 10, 11, 12, 14, 15 aphs 21, 22, 23, 2 d did not adversely in accordance with 11, Section 3, para	i, 16 and 17 as applicable, 4; Chapter 3, paragraph 36. y affect the existing n AC 43.13-1B, Chapter 10, graph 11-33, 11-36, 11-3 and
manufacturers' recomm	endations and	d FAR 43, Appe	ndix "D", annually.  THE END		
			Additional Sheets Attached		

Date 9/26/2007 W/O# 8058



# Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

**CRS AWKR298C** 

S/N E-3222

Watts Woodland Airport, Woodland, CA 95695

Tach Time 1081.8

EXISTING RYAN 9900BX TCAD, S/N 0709162, WAS UPGRADED TO A TAS-610, IN ACCORDANCE WITH RYAN INTERNATIONAL SERVICE BULLETIN 051215, REVISION IR, DATED DECEMBER 15, 2005. REMOVED INSIGHT GEM-610 EGT/CHT INDICATOR, S/N 2118; AVIDYNE 5RR CD ROM LOADER, S/N C 1363; 5RRMFC MFD, S/N 0589; BENDIX/KING KN-72 VOR/LOC CONVERTER, S/N 15922; KX-155A VHF NAV/COMM, S/N 6714; KMA-26 AUDIO/MARKER PANEL, S/N 002468; KLN-90B GPS RECEIVER, S/N 27263; KA-91 GPS ANTENNA, S/N 19848; MID-CONTINENT MD41-248 RELAY, S/N 10611; MD41-1328 GPS ACU, S/N 11360; AND ARTEX ELT 110-4 ELT, S/N 61706. INSTALLED ARTEX G406-4 ELT, S/N 170-01053, IN SAME LOCATION AS REMOVED ELT. INSTALLED AFT AVIONICS SHELF AND ARTEX 435-6500 ELT/NAV INTERFACE, S/N 06402, AT F.S. 228.00° OPPOSITE THE ELT. INSTALLED ARTEX 110-320 ELT ANTENNA, S/N 175956, ON TOP OF THE FUSELAGE AT F.S. 196.00", WITH .040" 2024-T3 ALUM, DOUBLER. GARMIN GA-55 XM ANTENNA, S/N 87507540; AND GDL-69A XM RECEIVER, S/N 47758427, WERE INSTALLED IN ACCORDANCE WITH FAA STC SA01487SE, DATED DECEMBER 20, 2004. INSTALLED GARMIN GMA-340 AUDIO/MARKER/ICS PANEL, S/N 96282493, IN SAME LOCATION AS REMOVED B/K KMA-26. INSTALLED J.P.I. EGT 701-6C EGT/CHT INDICATOR, S/N 25903 IN ACCORDANCE WITH FAA STC SA2586NM, DATED JUNE 17, 1999. REMOVED AVIDYNE D98-00001-47 MULTI FUNCTION DISPLAY, AND INSTALLED IN THE SAME LOCATION A GARMIN GMX-200 MULTI FUNCTION DISPLAY, S/N 38400746; IN ACCORDANCE WITH FAA STC SA01692SE, DATED 08/11/06. INSTALLED GARMIN GNS-530W NAV/COMM/GPS/WAAS, S/N 23802334; GA-35 GPS/WAAS ANTENNA, S/N 23910. SEE FAA 337 FORM DATED SEPTEMBER 26, 2007, AND AFMS DATED DEC. 21, 2006. ALL WORK WAS ACCOMPLISHED IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS, FAA AC 43.13-1B, CHAPTER 11, SECTION 3, PARAGRAPH 11-37; SECTION 4, PARAGRAPHS 11-47 THROUGH 11-53; SECTIONS 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16 AND 17 AS APPLICABLE, CHAPTER 12, SECTION 2. FAA AC 43:13-2A, CHAPTER 1, PARAGRAPH 12, CHAPTER 2, PARAGRAPH 21, 22, 23, 24; CHAPTER 3, PARAGRAPH 36. THE INSTALLED EQUIPMENT WAS OPERATIONALLY TESTED AND PERFORMED SATISFACTORLY, AND DID NOT ADVERSELY AFFECT EXISTING EQUIPMENT OR SYSTEMS IN THE AIRCRAFT AS REQUIRED BY FAR 23.1301. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS REQUIRES A VISUAL INSPECTION AND OPERATIONAL TEST OF THIS EQUIPMENT IN ACCORDANCE WITH MANUFACTURES INSTRUCTIONS, AND FAR 43, APPENDIX "D" ANNUALLY, AND GARMIN ICA DOCUMENT NO. 190-00357-65, REV. A, FOR THE GARMIN GNS-530W, OR LATER REVISIONS. THE AIRCRAFT EQUIPMENT LIST WERE AMENDED IN ACCORDANCE WITH AC 43.13-1B, CHAPTER 10.SECTION 2 PARAGRAPH 10-16,10-20. THE GARMIN GNS-530W COMPLETED A GPS FUNCTION FLIGHT EVALUATION, ON SEPTEMBER 27, 2007, BY FAA CRS AWKR 298C. THE END

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed:

Douglas E. Barton

# INSPECTION PROCEDURES MANUAL WOODLAND AVIATION, INC.

# GPS FUNCTIONAL FLIGHT EVALUATION WORK SHEET (WIA21)

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Signature		100m		CEDE	27 2007					
Cert. Type	A&P		Date	SEPT.	27, 2007	BEILE CHARLES				



Name & Address (as shown on registration)
LOOKOUT MOUNTIAN, LLC

1700 JONES ST. APT. 1 SAN FRANCISCO, CA. 94109-2160

# SUPPLEMENTAL EQUIPMENT LIST WEIGHT AND BALANCE REVISION

Aircraft Make RAYTHEON AIRCRAFT CO.

Aircraft Model A-36

Registration N527RS

Serial Number E-3222

W/O Number 8058

Previous W & B Date September 23, 2005	Empty Weight 2744.32	Arm 77.55	Moment 212810.74	Useful L 1255.6	John Hill	ss Weight 4000.00
Item Remov	/ed		NEW PERSONS	Weight	Arm	Moment
INSIGHT GEM 610 EGT/C	HT INDICATOR		MATERIAL STATES	1.00	52.00	52.00
AVIDYNE 5RR CD/ROM L				2.20	53.00	116.60
AVIDYNE 5RR MFC MULT		AY		8.00	52.00	416.00
BENDIX/KING KN-72 VOF				2.00	199.00	398.00
BENDIX/KING KX-155A V				5.50	53.00	291.50
BENDIZ/KING KMA-26 AL		ANEL		2.00	55.00	110.00
BENDIX/KING KLN-90B	SPS RECEIVER			6.00	53.00	318.00
MID-CONTINENT MD41-2				0.75	52.00	39.00
MID-CONTINENT MD41-1				0.30	57.00	17.10
ARTEX ELT 110-4				4.00	228.00	912.00
BENDIX/KING KA-91 GPS	ANTENNA			1.00	86.00	86.00

Installed	Weight	Arm	Moment
GARMIN GNS-530W NAV/COMM/GPS/WAAS	7.00	53.00	371.00
GARMIN GMS-200 MULTI-FUNCTION DISPLAY	5.40	53.00	286.20
GARMIN GMA-340 AUDIO/MARKER/ICS PANEL	1.70	55.00	93.50
GARMIN GDL-69A XM RECEIVER	3.10	197.00	610.70
GARMIN GA-35 GPS/WAAS ANTENNA	0.50	86.00	43.00
GARMIN GA-55 XM ANTENNA	0.50	196.00	98.00
ARTEX 110-320 ELT ANTENNA	0.50	196.00	98.00
ARTEX G406-4 ELT	4.50	228.00	1026.00
ARTEX 435-6500 ELT/NAV INTERFACE	3.30	228.00	752.40
J.P.I. EDM 700/800 EGT/CHT INDICATOR	1.10	52.00	57.20

New Empty Weight New Moment

ty Weight 2739.17 v Moment 213490.54 New Arm 77.94

77.94 1260.83

Signed Harsh

Douglas E. Barton

CRS# AWKR298C

September 26, 2007

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Control (100-000)

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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.

Description of Work Accomplished (If more space is required, attach additional sheets. It	dontify aircraft nationality and regis	tration mark and date work complete	t)
		N527RS	10/29/2010
	Nati	ionality and Registration Mark	Date
EMOVED ELECTRO-MECH EM8007 S	TANDBY GENERATOR S	YSTEM.	
STALLED B&C SPECIALTY PRODUC ND IN ACCORDANCE WITH INSTALL	TS, INC. STANDBY ALTE	RNATOR SYSTEM BC-410 500-3 REV. F, DATED 11/2	1-1 PER STC SA00724W 003.
STALLED FLIGHT MANUAL SUPPLE	MENT DOCUMENT NO FI	MS410-2, DATED 6/26/2000	0.
EIGHT AND BALANCE AND EQUIPM	NT LIST REVISED.		
ISTRUCTIONS FOR CONTINUED AIR'S NO ARE FILED WITH THE AIRCRAFT	PERMANENT RECORDS	UMENT NO. ICA-BC410, R	EV. A, DATED 11/2003

☐ Additional Sheets Are Attached



Name & Address (as shown on registration) LOOKOUT MOUNTAIN, LLC.

> 1700 JONES ST. APT. 1 SAN FRANCISCO, CA. 94109-2160

# SUPPLIMENTAL EQUIPMENT LIST WEIGHT AND BALANCE REVISION

Aircraft Make RAYTHEON AIRCRAFT CO.

Aircraft Model A-36

Registration N527RS

Serial Number E-3222

W/O Number 11065

Previous W & B Date June 5, 2009	Empty Weight 2739.67	Arm 77.93	Moment 213503.38	Useful Lo 1260.3	BOOK STATE	4000.00
Item Remov	/ed		The state of the s	Weight	Arm	Moment
<b>ELECRTO-MECH EM2070</b>	1-1 VOLTAGE REGU	LATOR-STANI	DBY	1.20	40.00	48.00
ELECTRO-MECH EM8007				11.00	35.00	385.00

Installed	Weight	Arm	Moment
B&C SPECIALTIES BC410-1 ALTERNATOR-STANDBY	7.70	35.00	269.50
B&C SPECIALTIES BC201-2D VOLTAGE REGULATOR-STANDBY	1.00	40.00	40.00

**New Empty Weight** 

2736.17 **New Moment** 213379.88

> 77.98 1263.83

Signed Taylo & Gal

Douglas E. Barton

**New Arm** 

October 29, 2010

# US Department of Transportation

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

Form Approved ONB No. 2120-0020 11/30/2007

Electronic Tracking Number

For FAA Use Only

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instructio	ns and di	Print or type sposition of th U.S.C. §4630	is fo	rm. Th	See Title 14 C	FR 43 ed by	3.9, law	Part 43 Ap (49 U.S.C.	pendix B, and §44701). Fail	ure t	43.9-1 (or subset o report can result	equent re	vision thereof) for vil penalty for each
		Nationality an			n Mark				Serial No.				
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2. Owne	r	Name (As sh			tration certificate)	Address (As shown on registration ce Address: 1700 JONES ST. APT 1 City: _SAN FRANCISCO				rtificate)	State: <u>CA</u>		
								FAA Use On	Zip: 94109-21	60	Country: USA	MIZZA BI	
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WOODI	LAND, CA	23073				-			Maintenance C	organ	nization	THE RESERVE TO STATE OF THE PARTY OF	PP, L-PRP, L-INS
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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 Accomplished (If more space is required, attach additional sheets. Identify aircraft nationality		"
and a required, and an additional sheets. Identify aircraft nationality	y ana registration mark and date work completed N527RS	6/5/2009
	Nationality and Registration Mark	Date
<ul> <li>Installed "Airwolf Filter Corp." Air / Oil Separator Kit No with "Airwolf Filter Corp." STC# SA02268CH and Airwo AFC-W360 Rev. C, Dated 8/28/06 and AC43.13-1B Chap</li> <li>Weight and Balance and Equipment List revised.</li> </ul>	If Airsen Installation Instructions D	in accordance brawing number
- Instructions For Continued Airworthiness are contained in the aircraft permanent records.	the Installation Instructions and we	ere inserted in
☐ Additional S	Sheets Are Attached	

# 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

	istration								Oil	ice io	enuncation	
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		маке				M AC	t of 1958).	Model		A-36		
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	Unit		Mak	The State of the S			Model	Se	rial No.		Repair	Alteration
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PROP	ELLER											
ADDU	ANGE	Туре										
APPLI	ANCE	Manufacture	er									
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	10360 1	Macready A	venu	ie		X	Foreign Certificated R	fied Mechanic tepair Station			CRS # PCP	R439B
har	ve been ma	de in accorda	nce v	with the require	ments of	Part	entified in item 4 43 of the U.S.	above and desc	ribed on th Regulations	e reve	erse or attache that the inform	ments hereto
Date	10/6	104				Sig	nature of Author	orized Individual		-		
	A. Alloratit  Raytheon  Serial No.  E-3222  Name (As shown on registration certificate)  Lookout Mountain, LLC  1700 Jones Street, Apt. 1  San Francisco, CA 94109-2160  3. For FAA Use Only  The data identified herein complies with the applicable ainvorthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in 1sCFR pagt 43, section 43.7.  10.087204  A. Unit Identification  Make  Model  A. Unit Identification  A. Unit Identification  Make  Model  A. Gescribed in Item 1 above)  A. Agency's Name and Address  B. Kind of Agency  A. Agency's Name and Address  B. Kind of Agency  C. Certificate No.  Wather Aviation, LLC  10360 Macready Avenue  Rancho Cordova, CA 96555  A. Mahurfacturer  B. Kind of Agency  C. Certificate No.  CRS # PCPR439B  Amurfacturer  CRS # PCPR439B  Amurfacturer  D. Leetify that the repair and/or alteration made to the unit(s) lisentified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 36 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.  Pursuant to the authority given persons specified below, the unit identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 36 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.  S. A. William  FAA Fit. Standards Inspector  Manufacturer  Inspector Inspection Authorization  Other (Specify)  Inspection Authorization  Other (Specify)  Inspection Authorization  Other (Specify)											
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Date o	f Approval	r Rejection	Cer	tificate or	o sud m	Sig	nature of Autho	orized Individual	Page 1981		KIDEKON	

Designation No. PCPR439B

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

# B. Description of Work Accomplished

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

Raytheon A-36 Serial E-3222 N527RS 747.6 AFTT This 337 is to validate an installation improperly documented on FAA Form 337 dated 09-20-99 by Raytheon Aircraft Services, CRS#

Description of work performed:

Inspected and found previously installed Avidyne Corporation Flightmax Flight-Situation Display (FSD) model 5RR-MFC Series, PN D98-00001-45 with CD / Data Loader, PN D98-00003-01, conforms to the below referenced technical data. The Avidyne Flightmax is installed as a "follow-on" to STC# SA 00072BO for the Mooney Aircraft models M20C. The equipment meets TSO C147, C118, C113, C110a, and C63c.

Performed operational checks of the installed equipment and determined that installed equipment operations does not

negatively affect other equipment installed.

4. Installations determined to conform to the following technical data, as applicable:

Avidyne Flightmax Flight Situation Display model 5RR-MFC Series with CD / Data Loader Release 3 Installation Manual PN 600-0025 Revision 02, dated December 02, 1998;

FAA Advisory Circulars AC 43.13-1B, Chapter 11, paragraph 11-7, paragraph 11-147, paragraph 11-67, Chapter 12, paragraph 12-9, and AC 43.13-2A, Chapter 2, paragraph 2-22.

- 5. A complete operational test of the system was performed with satisfactory performance and did not adversely affect existing components or systems installed in the aircraft.
  - An electrical load analysis was performed and found that the continuous operation of the installed equipment does not exceed 80% of the alternator capacity.

The placard "FSD is not approved for navigation" found installed adjacent to unit.

A FAA approved Aircraft Flight Manual Supplement dated 10/06/2004 was prepared and placed in the Aircraft Flight Manual.

-END-

This installation resulted in changes to the aircraft weight and balance which is reflected in a revised weight and balance computation prepared by the installer. The Aircraft Equipment List was also revised to reflect the changes in installed equipment.

Instructions for Continued Airworthiness remain unchanged and are found in the Flightmax Flight Situation Display 5RR-MFC Series Installation Manual, Appendix J.

	☐ Additional Shee	ts Are Attached		
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# 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

	Make Raytheon				Model					
1. Aircraft	Serial No. E-3222		(No. )	Nationality and Registration Mark USA N527RS						
2. Owner		on registration certifice Mountain LLC	ate)	Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-2160						
				3. For FAA Use C	Poly		C0717_0	76	TOTAL CO	
			W-1/15	4. Unit Identificat	ion			5. Type	10 T 10 L	
Unit			Model		Serial No	).	Repair	Alteration		
AIRFRAME			(As desc	cribed in Item 1 abo	ove)		x			
POWERPLAN	π									
PROPELLER										
APPLIANCE	Type Manufacturer				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
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UKIAH, CA	95482			Certificated Ro Manufacturer	epair Station					
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Date 9/7/04				Signature of Author	prized Individual	-80	Si.	R		
-		A DE CLEMAN	7. App	roval for Return	To Service			0	NEW TOTAL	
	the authority given p	ersons specified below ation Administration and	the unit	identified in item 4 [X] APPROVE	was inspected in D REJEC	the manner pr	escribed b	y the		
Pursuant to Administrato					ration	ther (Specify	)			
Administrato	A Fit. Standards pector	Manufacturer	Х	Inspection Author	- Man					
Administrato FA/ Insp	A Fit. Standards	Manufacturer  Repair Station	х	Person Approved Canada Airworthin	by Transport ness Group					

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.)

REPLACE DAMAGED OUTBOARD AND CENTER LEADING EDGE SKINS, AND LOWER BOX SECTION SKINS ROOT TO TIP ON RH WING USING PROCEDURES IN AC 43.13-1B CHAP, 4 SEC. 4(METAL REPAIR PROCEDURES) AND BEECH BONANZA SERIES MAINTENANCE MANUAL.

SUPPORT WING AND REMOVE LEADING EDGE HINGE PINS AND FORWARD SPAR TO BOX SECTION HINGE PINS, SEPARATING LEADING EDGE AND FORWARD SPAR FROM BOX SECTION.

REMOVE CENTER AND OUTBOARD LEADING EDGE SKINS AND REMOVE BOX SECTION LOWER INBOARD & OUTBOARD SKINS I.A.W. AC 43.13-1B 4-52b.

REPLACE THE FOLLOWING WITH NEW:
LOWER STRINGER P/N 35-115199-5
LOWER STRINGER P/N 35-115199-7
LOWER STRINGER P/N 35-115200-79
LOWER STRINGER P/N 35-115200-81
LEADING EDGE RIB STA. 191.0 P/N 000-110019-2
OUTBOARD LEADING EDGE SKIN P/N 000-110105-11
CENTER LEADING EDGE SKIN P/N 000-110105-56
LOWER INBOARD FAIRING P/N 35-115200-99
OUTBOARD BOX SKIN P/N 35-115199-27
4 EACH HINGE PINS P/N 105774C-ZG190000

FABRICATE REPLACEMENT BOX SECTION INBOARD SKIN FROM 2024T3 .016" CLAD ALUMINUM. SAME AS REMOVED, AND LOWER SKIN AFT OF WHEEL WELL FROM 2024T3 .020" CLAD ALUMINUM, SAME AS REMOVED I.A.W. AC 43.13-1B 4-53

REASSEMBLE WING AND RIVET I.A	A.W. AC 43.13-1B 4-57a.b.c.d.f.
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THE INSTALLER IS TO FILL OUT BI	OCKS 1 & 2 OF THIS FORM I.A.W AC 43.9-1E 5a.b.
THE INSTALLER IS TO SIGN AND D	ATE THIS FORM UPON INSTALLATION
SIGNATURE & CERT,#	ATE THIS FORM UPON INSTALLATION  CRESH REPEASOR
DATE OF INSTALLATION 9	-27-04

# US Department of Transportation Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use 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 civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each s	uch violation (Section 9	01 Federal Aviation Ac		8).		(C. 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Shi e	G Chalde		
PA-	Make Raythcor	1			Model	A-36		1300	To lake	
1. Aircraft	Serial No. E-3222	e di Stanoviso d	DAY S	Nationality and Registration Mark USA N527RS						
2. Owner		on registration certific Mountain LLC	ate)		Address	ficate) et Apt. 1 CA 94109-2	160			
			ALSO AL	3. F	or FAA Use Only		e full models	Dign to	A STATE OF THE STATE OF	
in the second		LOS AND LANGUAGE	Min's	4. U	nit Identification		Milyat	5. Type		
Unit		Make			Model	Serial No		Repair	Alteration	
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POWERPL	ANT						(4) / 1 (5) (9) (5)			
PROPELLE	R									
	Туре						ente.			
APPLIANC	Manufacturer									
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A. Agency's	Name and Address			B. I	Kind of Agency	F. S. J. S. C. S. S. S.	-	ficate No.		
	S EDWARD BISHOP			X	U.S. Certificated Mechanic		569539	512		
	T COAST WINGS OUTH STATE STREE	r			Foreign Certificated Mecha					
UKIAH,	CA 95482			100	Certificated Repair Station		2 3 3			
					Manufacturer					
have	fy that the repair and/o been made in accordar hed herein is true and	nce with the requireme	nts of Pa	art 43	tified in item 4 above and of the U.S. Federal Aviation	d described on the re on Regulations and the	verse or a nat the info	ittachments he ormation	reto	
Date 9/7/04				Sig	nature of Authorized Indivi	idual				
THE PARK	Mary No. of Street,	This single has	7. Ap	prov	al for Return To Service					
Pursuant Administra	to the authority given pator of the Federal Avia	ersons specified below ation Administration and	v, the uni d is	it ide	ntified in item 4 was inspective APPROVED	cted in the manner pr REJECTED	escribed I	by the		
	FAA Fit. Standards nspector	Manufacturer	Х		pection Authorization	Other (Specify	)			
F	AA Designee	Repair Station		Ca	rson Approved by Transpo nada Airworthiness Group	MA MYSS PLE				
9/7/04	proval or Rejection	Certificate or Designation No. 569539512			nature of Authorized Indiv ICHOLAS E. BISHOP	ndual (	20	SIC	)	

Weight and balance or operating limitation changes shall be entered in the appropriate alterations at 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.)
REPLACE CENTER LEADING EDGE SKIN AND BOX SECTION INBOARD LOWER SKIN ON LH WING
1.A.W. AC 43.13-1B CHAP, 4 SEC, 4(METAL REPAIR PROCEDURES) AND BEECH BONANZA SERIES
MAINTENANCE MANUAL.

REMOVE LEADING EDGE ASSEMBLY FROM FORWARD SPAR AND REMOVE CENTER LEADING EDGE SKIN. REMOVE BOX SECTION INBOARD LOWER SKIN AND LOWER SKIN AFT OF WHEEL WELL LA.W. AC 43.13-1B 4-52b.

FABRICATE REPLACEMENT INBOARD SKIN FROM 2024T3 .016" CLAD ALUMINUM, SAME AS REMOVED AND FABRICATE REPLACEMENT SKIN AFT OF WHEEL WELL FROM 2024T3 .020" CLAD ALUMINUM, SAME AS REMOVED I.A.W. AC 43.13-1B4-53.

REPLACE THE FOLLOWING PARTS WITH NEW: CENTER LEADING EDGE P/N 000-110105-55 2 EACH HINGE PINS P/N 105-774C-ZG190000

REASSEMBLE WING AND RIVET I.A.W. AC 43.13-1B 4-57a.b.c.d.f.	
END	
THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.	A.W. AC 43.9-1E 5a.b
THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTA SIGNATURE & CERT. # CKS # COPP DATE OF INSTALLATION 9-27-04	ALLATION
SIGNATURE & CERT. # CKS# PCPR	4398
DATE OF INSTALLATION 9-27-04	

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

Form Approved OMB No. 2120-0020

For FAA Use Only Office Identification

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1. Aircraft	Raytheo	n				A-36		and the	and the second	
sarcran	Serial No. E-3222			Nationality and Registration Mark USA N527RS						
		n on registration certifica	ite)	Address (As shown on registration certificate)						
2. Owner	Lookout	Mountain LLC		1700 Jones Street Apt. 1 San Francisco, CA 94109-2160						
			100	3. For FAA Use Or	nly					
					, c.	200			LAST LAST LETTERS	
	ROBS AND DOOR		1110	4. Unit Identificati	on	ANTSANIA DILA	115	5. Type	0000	
Unit		Make		Model		Serial No		Repair	Alteration	
AIRFRAME			(As des	scribed in Item 1 abov	(e)			х		
POWERPLA	NT									
PROPELLER										
APPLIANCE	Type Manufacturer									
				6. Conformity State	mont		10000		2.00	
A. Agency's	Name and Address			B. Kind of Agency	nent		C. Certif	icate No.		
	EDWARD BISHOP	A DELL'AND D	2800	X U.S. Certificate	d Mechanic	569539	69539512			
	COAST WINGS UTH STATE STREE	T		Foreign Certific	ated Mechanic	c and the same				
UKIAH, C				Certificated Re	pair Station					
have b	een made in accorda	or alteration made to the nce with the requirement correct to the best of my	ts of Pa	art 43 of the U.S. Fed	above and derail Aviation	lescribed on the re Regulations and th	verse or at lat the info	tachments her	eto	
9/2/04				Signature of Author	ized Individu	305	0	)		
			S.D.S.S.S.	proval for Return T			0	CASE TO S		
Pursuant to Administrat	the authority given por of the Federal Avia	persons specified below, ation Administration and	the un	it identified in item 4 to X APPROVED	vas inspecte	d in the manner pro JECTED	escribed b	y the		
	A Fit. Standards spector	Manufacturer	x	Inspection Authoriz	41-2-2-1	Other (Specify	)			
FA	A Designee	Repair Station		Person Approved b Canada Airworthin	y Transport ess Group					
Date of Appro	oval or Rejection	Certificate or Designation No. 569539512		Signature of Author		ial	2,1	C	>	

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

Description of Work Accomplished (If more space is required, attach additional sheets, Identify with aircraft nationality and registration mark and date work completed.) REPAIR DAMAGED LH FLAP ASSEMBLY P/N 35-165050-607 S/N E3222 USING BEECH BONANZA SHOP MANUAL AND AC 43,13-18 CHAP, 4 SEC. 4(METAL REPAIR PROCEDURES).
SUPPORT FLAP IN FIXTURE AND DISASSEMBLE I.A.W. AC 43.13-18 4-52b.
REPLACE THE FOLLOWING PARTS WITH NEW: SKIN P/N 35-165051-8
REASSEMBLED FLAP USING NEW SKIN AND RIVET I.A.W. AC 43.13-1B 4-57a.b.c.d.
FLAP NOT INSTALLED ON AIRCRAFT.
THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b. THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION: SIGNATURE & CERT. # CPS. F. P.

Additional Sheets Are Attached

# Federal Aviation Administration

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

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For FAA Use Only Office Identification

and for e	dispositio	n of this form. The violation (Section	is report is required by 901 Federal Aviation Ac	tow (4	19 11 S.C. 1	1421). Failure to repo	rt can result in civil p	penalty not	to exceed \$1,0	000
Make Raytheon			THE S	Model	LEGIS					
T. PAIN	E-3222					Nationali	William at			
2. Ow	Name (As shown on registration certificate) Lookout Mountain LLC					ficate) et Apt. 1 CA 94109-2	160			
	11/19				3. For F	AA Use Only	Sumacoupus Iv	15 [56]	VIII MARKA	)
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				77171	4. Unit le	dentification		Har Ive.	5. Type	TEAN TO
	Unit		Make		N	Model	Serial No	о.	Repair	Alteration
AIRFR	RAME			(As de:	scribed in I	tem 1 above) ———			х	
POWE	RPLANT									
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APPL	IANCE	Type Manufacturer								
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A. Age	ency's Nar	ne and Address		ATU.		of Agency		C. Certif	icate No.	
		DWARD BISHOP			X U.S	Certificated Mechanic		569539	512	NEUT I SE
		DAST WINGS H STATE STREE	T		Fore	eign Certificated Mecha	nic			
	AH, CA				TOTAL PROPERTY.	tificated Repair Station				
	have been	made in accorda	or alteration made to the nce with the requirement correct to the best of my	ts of Pa	) identified art 43 of the	nufacturer in item 4 above and e U.S. Federal Aviatio	described on the re in Regulations and the	verse or at nat the info	tachments her	eto
Date 9/2				de		e of Authorized Individ	dual S.	0	)	
ind		THE PER	The State of		• Congression Continue	Return To Service	And Salara	0	DALL D	
Purs	uant to the	e authority given p of the Federal Avia	ersons specified below, ation Administration and	the un	it identified [×] Al	in item 4 was inspec PPROVED D F	ted in the manner pro REJECTED	escribed b	y the	
BY	FAA I Inspe	Fit. Standards ctor	Manufacturer	х	Inspection	on Authorization	Other (Specify	)		
	FAA	Designee	Repair Station		Person A Canada	Approved by Transpor Airworthiness Group	t			
Date o		or Rejection	Certificate or Designation No.			e of Authorized Individ LAS E. BISHOP	dual	0	1	0

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

 Description of Work Accomplished
 (If more space is required attach additional sheets intentity with abrorall nationality and registration mark and date work completed.)
 REPAIR DAMAGED RH FLAP ASSEMBLY P/N 35-165050-606 S/N E3222 USING BEECH BONANZA SERIES SHOP MANUAL AND AC 43.13-18 CHAP, 4 SEC. 4(METAL REPAIR PROCEDURES). SUPPORT FLAP IN FIXTURE AND DISASSEMBLE I.A.W. AC 43.13-18 4-52b. REPLACE THE FOLLOWING PARTS WITH NEW: SKIN P/N 35-165051-9 SPAR P/N 35-165050-69 ASSEMBLED FLAP ASSEMBLY USING RIVETING PRACTICES I.A.W. AC 43.13-18 4-57a.b.c.d. FLAP NOT PAINTED. FLAP NOT INSTALLED ON AIRCRAFT. THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b. THE INSTALLER IS TO SIGN AND DATE UPON INSTALLATION COLUMN THE INSTALLER IS TO SIGN AND DATE UPON INSTALLATION COLUMN THE INST SIGNATURE AND CERT. # DATE OF INSTALLATION

Additional Sheets Are Attached

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance) Parm Approved OARS No. 2120-0020

For FAA Use Only

Office Identification

	Make Raytheor			Model A-36						
. Aircraft	Serial No. E-3222			Nationality and Registration Mark USA N527RS						
2. Owner	Name (As shown	on registration certificate Mountain LLC	Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-216							
1000				3. For FAA Use C	Only	Street San	11.38			
				A Unit Mantife				5. Type		
11.4				4. Unit Identifica	tion	Out of Ma			Alteration	
Unit		Make	31-1	Model	12 WO 18 R	Serial No.		Repair	Alteration	
AIRFRAME	IRFRAME (As described in Item 1 above)							x		
POWERPLAN	п									
PROPELLER										
APPLIANCE	Type Manufacturer									
			(	6. Conformity Stat	ement				B 100 100 100 100 100 100 100 100 100 10	
A. Agency's N	lame and Address	ASSESSMENT OF THE PARTY OF THE		B. Kind of Agency		SEL ZIN	C. Certif	icate No.		
NICHOLAS EDWARD BISHOP DBA WEST COAST WINGS				X U.S. Certificated Mechanic 569 Foreign Certificated Mechanic			569539	512		
UKIAH, CA	TH STATE STREE' 95482			Certificated Repair Station						
have be	en made in accordar	or alteration made to the unce with the requirements correct to the best of my	of Pa	art 43 of the U.S. Fe	4 above and descri	ibed on the rev ulations and th	rerse or at at the info	tachments her rmation	eto	
Date 9/2/04				Signature of Authorized Individual						
		THE PERSON NAMED IN	7. Ap	proval for Return	To Service		-	3		
Pursuant to Administrate	the authority given p or of the Federal Avia	persons specified below, the ation Administration and is	he uni	•	was inspected in t	the manner pre	escribed b	y the		
Ins	A Fit. Standards pector	Manufacturer	x	Inspection Author	ization	other (Specify)				
BY	THE RESERVE TO SERVE THE PARTY OF THE PARTY	THE RESERVE OF THE PARTY OF THE	1000	Person Approved	by Transport					

#### **MISTICE**

Weight and belence or operating limitation changes shall be untured in the appropriate allegat record the alteration must be compatible with all previous alterations to assure continued contouring with the applicable allegat records requirements.

10. Description of Work Accomplished
(If more space is required, effect) indifferent shrinks intends and angestation made and date work completed.)
REPLACE DAMAGED LEADING EDGE, OUTBOARD LOWER SKIN, TIP, AND FORWARD SPAR ON RH
HORIZONTAL STABILIZER PM 33-620000-618 SAN E-3222 AND REPLACE DAMAGED LEADING EDGE.
OUTBOARD LOWER SKIN, AND TIP ON LH HORIZONTAL STABILIZER PM 33-620000-617 S/N E-3222 AS
FOLLOWS USING PROCEDURES IN BEECH BONANZA SERIES SHOP MANUAL AND AC 43-13-18 CHAP. 4
SEC. 4(METAL REPAIR PROCEDURES).

SUPPORT STABILIZERS IN FIXTURE AND DISASSEMBLE TA.W. AC 43.13-18 4-52b.

REPLACE THE FOLLOWING PARTS WITH NEW: RH LEADING EDGE SKIN P/N 33-620000-44 LH LEADING EDGE SKIN P/N 33-620000-43 RH FORWARD SPAR P/N 33-620000-51 RH LOWER OUTBOARD SKIN P/N 33-620000-27 LH LOWER OUTBOARD SKIN P/N 33-620000-28 RH & LH TIPS P/N 45-650112

REASSEMBLE STABILIZERS AND RIVET I.A.W. AC 43.13-1B 4-57a.b.c.d.f.

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.
THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION:
SIGNATURE & CERT.#

DATE OF INSTALLATION

WEST POPULATION

DATE OF INSTALLATION

Form Approved OMB No. 2120-0020

For FAA Use Only
Office Identification

	Make Raytheo	n	THE	NAME OF STREET	Model	A-36	TO COL	Charles .		
1. Aircraft	Serial No. E-3222			Nationality and Registration Mark NS2/RS					1 1 1	
2. Owner	Name (As show	vn on registration certific t Mountain LLC	cate)		Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-2160					
	The his			3. For FAA Use On	ly		170080		SYL	
								NEW AND	era se	
	JESTOS.	LONG TRANSPORT	PO LIA	4. Unit Identification	on	ALLINES	(V.123) N	5. Type	Q MESS	
Unit		Make		Model		Serial No	).	Repair	Alteration	
AIRFRAME	(As described in Item 1 above)				х					
POWERPLANT										
PROPELLER										
APPLIANCE	Type Manufacturer		250	Walter State	200	822				
	18850116			6. Conformity Staten	nont					
A. Agency's Nar	ne and Address			B. Kind of Agency	ient		C. Certifi	cate No.	Sen de la	
Private and the second	WARD BISHOP		NA UN	X U.S. Certificated	Mechanic	Mary of the	5695395	512	STATE SAL	
DBA WEST CO	AST WINGS	ET		Foreign Certifica	ited Mechan	ic				
UKIAH, CA S				Certificated Rep	air Station		y resto			
			022	Manufacturer						
have been	made in accorda	for alteration made to the ance with the requirement discorrect to the best of many	nts of Pa	art 43 of the U.S. Fede ledge,	eral Aviation	Regulations and th	verse or att nat the infor	mation	eto	
9/2/04				Signature of Authori	zed Individ	263	(			
	SALE OF THE		7. Ap	proval for Return To	Service		9			
Pursuant to the Administrator of	authority given of the Federal Av	persons specified below iation Administration and	v, the un d is	it identified in item 4 w [凶 APPROVED	ras inspecte	ed in the manner pre EJECTED	escribed by	the .		
FAA I Inspe	Fit. Standards ctor	Manufacturer	х	Inspection Authoriza	ation	Other (Specify	)			
	Designee	Repair Station		Person Approved by Canada Airworthine	Transport ss Group					
Date of Approval 9/2/04	or Rejection	Certificate or Designation No. 569539512	burge	Signature of Authori NICHOLAS E. B.		lual 2 m	30	0		

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, affect) additional sheets. Identify with alicraft mationality and registration mark and date work completed.)
REPLACE DAMAGED SKINS ON RH ELEVATOR P/N 33-610000-612 S/N E3222, LH ELEVATOR P/N 33-610000-611 S/N E3222, AND RH ELEVATOR TRIM TAB USING PROCEDURES IN BEECH BONANZA SERIES SHOP MANUAL AND AC 43.13-18 CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES).

SUPPORT ELEVATORS AND RH TAB IN FIXTURE AND DISASSEMBLE BY DRILLING I.A.W. AC 43.13-18 4-52b.

INSPECT INTERNAL STRUCTURES FOR CORROSION AND DEFECTS.

REPLACE THE FOLLOWING PARTS WITH NEW:
LH SKIN P/N 33-610000-75

LH SKIN P/N 33-610000-75 RH SKIN P/N 33-610000-76 LH TIP RIB P/N 45-660011-2 RH TRIM TAB SKIN P/N 33-660010-8

RERIVET ASSEMBLY I.A.W. AC 43.13-1B 4-57a.b.c.d.

ELEVATORS NOT PAINTED.

TRIM TABS NOT INSTALLED.

HINGE BRACKETS INSTALLED USING NEW HARDWARE.

COUNTER WEIGHT AND COVER INSTALLED USING NEW HARDWARE.

FINAL BALANCES NOT CHECKED.

ELEVATORS NOT INSTALLED ON AIRCRAFT.

END	5
THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.	
THE INSTALLER IS TO SIGNAND DATE THIS FORM UPON INSTALLATION:	
THE INSTALLER IS TO SIGNAND DATE THIS FORM UPON INSTALLATION: SIGNATURE & CERT.# CEST FORM UPON INSTALLATION:	
DATE OF INSTALLATION 9-27-04	

Federal Aviation Administration

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

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

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1. Aircraft	Serial No. E-3222			COLUMN TO SERVICE	Nationality	and Registration M USA N5		1000	779	
2. Owner	Name (As show Lookout	n on registration certifice Mountain LLC	ate)		Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-2160					
				3. For FAA Use Or	nly		VOICE !	opisio, s		
diare	The state of the s		0071	4. Unit Identificati	on		loan.	5. Type		
Unit		Make		Model		Serial No		Repair	Alteration	
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POWERPL	ANT									
PROPELLE	R									
	Туре			3/4/						
APPLIANC	Manufacturer									
1 1 1 1 1 1 1				6. Conformity States	ment					
A. Agency's	Name and Address		SUST	B. Kind of Agency	elv.cins		C. Certif	icate No.	NA II	
	S EDWARD BISHOP			X U.S. Certificate	d Mechanic	Paratra de	569539	512		
	T COAST WINGS OUTH STATE STREE	T		Foreign Certific		Carrier Control				
UKIAH,	CA 95482			Certificated Re	pair Station					
have	been made in accorda	or alteration made to the nce with the requiremen correct to the best of my	ts of Pa	) identified in item 4 art 43 of the U.S. Fed	above and deral Aviation	escribed on the re- Regulations and th	verse or at at the info	tachments her	eto	
Date 9/2/04				Signature of Author	V	al Des		0		
Charles in		LICENSES STATE	7. Ap	proval for Return T	o Service		Ma Air			
Pursuant Administra	to the authority given pator of the Federal Avia	ersons specified below, ation Administration and	the un	it identified in item 4 v [×] APPROVED	vas inspected	d in the manner pre JECTED	escribed b	y the		
	AA Fit. Standards hspector	Manufacturer	x	Inspection Authoriz		Other (Specify,	)			
	AA Designee	Repair Station		Person Approved b Canada Airworthine	y Transport ess Group					
Date of App 9/2/04	roval or Rejection	Certificate or Designation No. 569539512		Signature of Author		2	21	F	)	

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

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

RELACE DAMAGED SKIN AND FORWARD SPAR ON RH AILERON P/N 33-130000-44. S/N E3222 AND DAMAGED SKIN ON. LH AILERON P/N 36-130011-601 USING PROCEDURES IN BEECH BONANZA SERIES. SHOP MANUAL AND AC 43.13-1B CHAP, 4 SEC. 4(METAL REPAIR PROCEDURES). SUPPORT AILERONS IN FIXTURE AND DISASSEMBLE LA.W. AC 43.13-18 4-52b. REPLACE THE FOLLOWING PARTS WITH NEW: RH SKIN P/N 33-130000-49U RH SPAR P/N 33-130000-1 LH SKIN P/N 45-135031-141 RERIVET AILERONS I.A.W. AC 43.13-1B 4-57a.b.c.d. AILERONS NOT PAINTED. AILERONS NOT INSTALLED ON AIRCRAFT. THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b. THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION SIGNATURE AND CERT,#\_ DATE OF INSTALLATION

Additional Sheets Are Attached

# Us Despiriment of fundamental Aristion Visionition

### 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 8, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by taw (49.0.5.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).

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ircraft	Raythean Air	Craft Lov	Mond		Nationality a	and Registration N	fark	THE PARTY	THE R
	Serial No.					527 RS			
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wner	Marie Barrell			San Francisco CA				4109-	2160
	Lookout 1	Marutain	LL	C	san	Francisco	Cr.		
				For FAA Use O	nly				
			4.	. Unit Identifica	tion		5	. Туре	
Unit	Make			Model		Serial No		Repair	Alteration
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V TO ST	Teledyne								/
WERPLAN	Motors		IO-530-8			684009			
OPELLER									
	Туре								
PPLIANCE	Manufacturer								
			6.	Conformity Sta	itement				
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7.5		MI 110		U.S. Certific	ated Mechanic				
N	MATHER AVIATIO			Foreign Cer	tificated Mecha	nic	CES Z	4MR5	60Y
	HAYWARD.			Certificated	Repair Station	MARKEN TAILS		HARLE TAX	
Tel Nam	FAA CRS Z4MR			Manufacture					
baug i	fy that the repair and/or been made in accordant hed herein is true and	nce with the requ	irements	of Part 43 of the	item 4 above a U.S. Federal	and described on t Aviation Regulati	he reverse ons and th	or attachr nat the info	nents hereto rmation
Date		Call Post Williams	Part and	Signature of A	uthorized Ind	vidual			
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			7. Ap	proval for Fetur	n to service		Total and		
Pursuan	t to the authority give trator of the Federa! Av	n persons speci	fied belov	w, the unit iden	tified in item	4 was inspected REJECTED	in the ma	nner preso	cribed by th
A CHILLIS	FAA FII Standards					Other (Specify	1		
ВУ	Inspector	Manufacturer		Person Approv		d			
	FAA Designee	Repair Station		Canada Airwor	thiness Group				THE STATE OF
Date of Ap	proval or Rejection	Certificate or Designation N	0	Signature of A	Authorized Inc	lividual	150		
				1 /1/	10				

Weight and balance or operating limitation changes whall be entered in the appropriate alrevall recover An allafation must be compatible with all previous alterations to assure continued conforming with the applicable allowable assures requirements.

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

Removed six (6) TOM fuel nozzles P/N 627335DJ3-AA and installed General Aviation Modifications, Inc. GAMI jectors Kit No. GAOISAA S/N 11367 STC No. SE09217SC PMA No. PQB21SW per GAMI jector Installation Procedure No. IP-96-001 (Rev 004) 

FAA CHS Z4MR560Y



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 civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

fore	each such	n of this form. This violation (Section	is report is required by 901 Federal Aviation Ac	law (4) t of 195	9 U.S.C. 1421). Fall (8).	ure to repo	ort can result in civil pe	maity not i	b exceed \$1,0	100
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1. Ain	craft	Serial No.	ACRAFT E-3221	91.3			ty and Registration Ma	ark	Wildsi	The second
2. Ow	ner	Name (As show	n on registration certification of the Mau Hali	ate)	LLE MAN	Address	(As shown on registra 700 John W Francisco	5 5	+. AP	
					3. For FAA Use Or		MATERIAL PROPERTY.	100	1101	O PASSE
				-		18.0	arartean.			
				U W	4. Unit Identification	on			5. Type	
	Unit		Make		Model		Serial No.		Repair	Alteration
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POWE	ERPLANT						MEL GBLATT	ALL CAS	initia a	DEST
PROP	ELLER						HONK NO DE		TOM PL	Avels
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	3.105	No.	The Secretary Design	(	6. Conformity Stater	nent		200	MAN PIRE	
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100	have been	made in accorda	or alteration made to the nce with the requiremen correct to the best of my	ts of Pa	art 43 of the U.S. Fed					eto
Date 8/7	/02				Signature of Author	ized Indivi	dual			
		B. Chillian		7. Ap	proval for Return To	Service				Marks and the
Purs	suant to the	e authority given p	persons specified below, ation Administration and	the uni	t identified in item 4 v [X APPROVED	vas inspec	ted in the manner pre	scribed by	the	
BY	FAA I	Fit. Standards ctor	Manufacturer	х	Inspection Authoriza	ation	Other (Specify)	1,11		
	FAA	Designee	Repair Station		Person Approved by Canada Airworthine	y Transpo ess Group	rt .			
Date o		or Rejection	Certificate or Designation No.		Signature of Author		dual	2	21	7

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.)

REPLACE DAMAGED SKIN ON LH ELEVATOR P/N 33-610000-611 S/N E3222 USING PROCEDURES IN BEECH BONANZA SERIES SHOP MANUAL AND AC 43.13-18 CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES).

SUPPORT ELEVATOR IN FIXTURE AND DISASSEMBLE BY DRILLING LA.W. AC 43.13-18 4-52b.

INSPECT INTERNAL STRUCTURE FOR CORROSION AND DEFECTS.

REPLACE THE FOLLOWING PARTS WITH NEW: SKIN P/N 33-610000-75 TRAILING EDGE SPACER P/N 45-610005-12 FORWARD SPAR P/N 45-610005-18 RIB P/N 33-610000-79

RERIVET ASSEMBLY I.A.W. AC 43.13-1B 4-57a.b.c.d.

ELEVATOR NOT PAINTED.

TRIM TAB INSTALLED.

HINGE BRACKETS INSTALLED USING NEW HARDWARE.

COUNTER WEIGHT AND COVER INSTALLED USING NEW HARDWARE.

TORQUE FITTING NOT INSTALLED. USING

FINAL BALANCE NOT CHECKED.

ELEVATOR NOT INSTALLED ON AIRCRAFT.

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.  THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION:  SIGNATURE & CERT. #  DATE OF INSTALLATION  8-7-02	
Derimed and Painted Elevator. 55-20-00  Balanced Elevator Per BE36Amn. Found good @ 5.1 inch 18.  Bre-installed Elevator outo Aircraft & Checked Rigging per 36mm 27-30. And saftied.  CRS ZYMRS609	5



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 ea	ch such i	of this form. This libraries (Section 9	report is required by 01 Federal Aviation	y law (4 Act of	9 U.	.S.C.1421), Failure 58).	e to repor	rt can result in a	civil pena	Ity not to ex	ceed #1,000
	rcraft	Make Raytheon Airc					odel	A36			
11. 74	Crant	Serial No.	E-3222				tionality 527RS	and Registration	Mark		
2. Q	Wner	Name (As shown Lookout Moun	on registration cert	ificate)	Address (As shown on registration certificate) 1700 Jones Street #1 SanFrancisco CA 94109						
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Ur	nit	Mak	ce	male.		Model		Serial No.		Repair	Alteration
AIRF	RAME			As desci	ribed	d in item 1 above;					×
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PROP	ELLER										
APPL	IANCE	Type  Manufacture									
				6.	Con	formity Statement			No.		
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	Aller Service College	Airport Road		M		Foreign Certified Certificated Rep	Children and the Control of	The second secon			
Vac	aville C	A. 95688				Manufacturer	air Statio	n	MILEST.		
ha	eve been i	made in accordance	alteration made to e with the requirem orrect to the best o	nents of	Part	t 43 of the U.S. Fe	ederal Av	iation Regulations	he revers and tha	se or attachn t the informa	nents hereto
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			en persons specifie Aviation Administra					vas inspected in t	he mann	er prescribed	by the
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0,	FAA	A Designee	Repair Station			rson Approved by inada Airworthines		t			
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22 J	June 20	01	569453224		1	MARINA					

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 data work complete)

Installed air oil separator IAW STC SA02033AT using manufactures drawing # 304, dated 27 Sept. 1999, and the installation instructions, mounted the Model M20 air oil separator to the left rear engine baffle with 2 DG32 adel clamps. Rerouted engine breather tube 90 degrees at the rear engine baffle. Attached the breather tube to the air oil separator with Mil-6000 hose and aero seal hose clamps. Welded an aluminum plug to the lower left corner of the left rear rocker cover and drilled and tapped plug to accept an AN 844 -4 hose elbow. Attached the air oil separator return oil outlet to the AN-844-4 fitting with 1/4 inch ID Mil-6000 hose.

Aircraft Wt and Bal updated to reflect changes.

For continued airworthiness check for blockage of the breather lines, if required remove and flush the air oil separator with MEK per the manufactures recommendations.

Nothing follows

## US Department of Transportation

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

Form Approved

OMB No. 2120-0020

For FAA Use Only Office Identification

March 1					
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INSTRUCTIO	NS: Print or type all entr	ies. See FAR	43.9, FAI	R 43	Appendix B, a	nd AC 43	3.9-1	(or subseque	nt revisio	in thereof) for	instructions
and disposition	on of this form. This repor	rt is required b	y law (49	U.5	S.C. 1421). Fail	ure to rep	port c	an result in a	civil pen	alty not to exc	seed \$1,000
for each viola	tion (Section 901 of Fede	eral Aviation A	ct of 195	8)		Madel	-	_			
	Make				nv.	Model			A36		Timber -
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Micrait	Serial No.			Nationality and Registration Mark N322ZB						THEFT	
	Name of the last	E-3222			Address (As shown on registration certificate)					(0)	
	Name (As shown on reg	istration certificat KOUT MOUN	O)	LC.							
2. Owner	1.00	KOUT MOUN	I'All', L	-	图图190210					CA. 94109	THE PARTY.
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					Manufacturer		- 1-			SERV ALT SY	
D. I certify	that the repair and/or alte	eration made t	o the uni	t(s)	identified in iten	n 4 above	e and	described or	the reve	erse or attach	ments
	have been made in accor	dance with the	e requirer	men	ts of Part 43 of	the U.S.	Fede	eral Aviation F	egulation	ns and that th	е
informal	tion d herein is true and corre	ect to the hest	of my kn	owle	edge						
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			7. App	rova	al for Return T	o Servic	e /				
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Weight and balance or operating limitation changes shall be entered in the appropriate alreralt record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable alreading 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.)

#### RAYTHEON AIRCRAFT COMPANY A36, N322ZB, S/N E-3222

Installed Insight Instrument Corp. GEM 610 Graphic Engine Monitor.

All work done in accordance with the following:

Gem Series Installation Manual, Drawing 8258, Version 3.0, dated May 1996, and AC 43:13, 2A, Chapters 2 & 3.

This system previously approved per STC SA157NE, for a Beechcraft A36.

The unit is powered through CB labeled "EGT".

Instructions for continued airworthiness:

The GEM 610 requires no adjustment or routine maintenance. If the unit should fail to operate properly, perform the self-test described under "Test Mode". If the GEM 610 fails this test, return the unit to the OEM, or an authorized Repair Station for servicing. If the Display performs the self-test successfully, discuss the problem with the authorized Repair Station or consult the troubleshooting section of the GEM Installation Manual. Installation instructions and trouble shooting guide for the GEM 610 are supplied for reference, or Insight Product Support can also be contacted at 716-852-3217.

Electrical load checked and determined to be less than 80% continuous.

The Aircraft	Weight and	Balance and	Equipment list	have been	revised.
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## MAJOR REPAIR AND ALTERATION

OMB No. 2120-0020

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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 Accomplished

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

#### RAYTHEON AIRCRAFT COMPANY A36, N322ZB, S/N E-3222

Installed Shadin Air Data Computer System (ADC 200).

All work done in accordance with Shadin Installation Manual P/N IM 0820, Revision G, Dated January 12, 2000, and AC 43:13 2A, Chapters 2 and 3.

Fuel flow information provided by Beechcraft factory installed Fuel Flow Transducer.

Power supplied through CB labeled "F/ADC".

The ADC unit is interfaced with previously installed King KLN 90B GPS System., Fuel and air data information provided on the KLN 90B "OTHER" pages. Refer to the supplied KLN 90B operator manuals for additional information.

Pitot Static system leak checked following installation / ANY Following in the stream happen as the stream happen instructions for continued airworthiness:

The ADC 200 requires no adjustment or routine maintenance. If the unit should fail to operate properly return the unit to the OEM, or an authorized Repair Station for servicing. Installation instructions for the Shadin ADC 200 are supplied for reference.

Electrical load checked and determined to be less than 80% continuous.

The Aircraft Weight and Balance and Equipment list have been revised.

------FND------

☐ Additional Sheets are Attached



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).

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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.

P	erformed the	following modification	ns and or replacements as p	per the STC numbers listed below	
		Thermal P	ane windows as per STC S.	A3759NM	
		See log book	entry and new empty weigh	t for this date.	

Form Approved OMB No. 2120-0020

For FAA Use Only

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

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Form Approved OMB No. 2120-0020

For FAA Use Only

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

Avidyne Corporation FlightMax Flight Situation Display 5RR-MFC-Series and CD / Data Loader were installed in accordance with Avidyne Release 4 Installation Manual P/N: 600-0031 Revision 02, and applicable chapters of AC 43.13-1B/2A. Initial FAA Approval was accomplished per STC No. SA00072BO issued to Avidyne Corporation July 27, 1997 and amended April 15, 1999 for Mooney Model M20C.D.E.F.G.J.K.M.R.

Units Installed:

1ea 5RR-MFC-Series FSD

P/N D98-00001-45 S/N 0385 TSO C113,C110a,C63c,C118,C147

1ea 5RR CD-ROM P/N D98-00003-01 S/N C 1363 TSO C113

The FlightMax is a panel-mounted information processing and display system containing the following options; Traffic, Charts, Navigator, and CD Player. The Avidyne Traffic provides interface, control, and display of the existing Ryan TCAD 9900B System via the RS232 Bus. The Avidyne Traffic supplements the original TCAD Display by allowing access to all of the TCAD 9900B functions. The original TCAD System remains intact. The Avidyne Charts is a moving map system that presents VFR and IFR enroute charts. Avidyne Charts updates are provided on a separated CD-ROM and should be kept current. NOTE; Navigation is not to be predicated on the use of Avidyne Charts - Avidyne Charts is an electronic aid to situational awareness designed to facilitate the use of approved navigational charts, not to replace them. Avidyne Navigator is a navigation management and display program utilizing its own database and obtaining position data from the existing KLN 90B GPS via the RS232 Data Bus. The database updates are provided on a separate CD-ROM and should be kept current. The Avidyne CD Player (CD-ROM Drive) is a panel mounted CD-ROM Drive to load new charts and to load Navigator database updates available from Avidyne.

NOTE: The Avidyne FSD is an electronic aid to navigation to provide positional awareness and is not approved for navigation. The following placard was placed on the radio panel "AVIDYNE FSD NOT APPROVED FOR NAVIGATION".

The Avidyne FSD receives power from the avionics buss through a 7.5 amp CB labeled "FSD".

The Avidyne FlightMax FSD User's Manual P/N 600-0032 Rev. 01 was placed in the aircraft.

Checked electrical load and found to be within system rated output.

Revised Weight & Balance and Equipment List Sept. 20, 1999. New A/C Basic Empty Weight [Computed]; 2661.5 Arm; 79.13 Moment; 210616.2.

MANUFACTURERS INSTRUCTIONS FOR CONTINUED AIRWORTHINESS PER APPENDIX J OF FLITEMAX INSTALLATION MANUAL

Maintenance of the 5RR-MFC-XXX Avidyne FlightMax Flight Situation Display (FSD) system is based on condition only. Periodic maintenance is not required.

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Weight and balance or operating limitation changes shall be entered in the appropriate allocally record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable allocations is 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.) COMPLIED WITH STC SA 1629 BY THE INSTALLATION OF WING TIP FUEL TANKS IN ACCORDANCE WITH J.L. GSBORNE INSTALLATION INSTRUCTIONS AS LISTED ON AML NO. SA 1629, OR LATER FAA APPROVED REVISION. ATTACHED FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT P/N 96044 TO THE POH. INSTALLED IN THE AIRFRAME LOG BINDER SUPPLEMENT SECTION A COPY OFPN 1192 WING TIP INSTALLATION INSTRUCTIONS AND P/N 668-7-8 CONTINUED AIRWORTHINESS MANUAL REVISED WEIGHT AND BALANCE. END-

Additional Sheets Are Attached

OMB No. 2120-0020

For FAA Use Only

Office Identification

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Person Approved by Transport

Canada Airworthiness Group Signature of Authorized Individual

Paul W. Butler

Paul W Butter

Inspector

Date of Approval or Rejection

FAA Designee

Repair Station

Certificate or

Designation No.

BY

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An atteration 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.)

Avidyne Corporation FlightMax Flight Situation Display 5RR-MFC-Series and CD / Data Loader were installed in accordance with Avidyne Release 4 Installation Manual P/N: 600-0031 Revision 02, and applicable chapters of AC 43.13-1B/2A. Initial FAA Approval was accomplished per STC No. SA00072BO Issued to Avidyne Corporation July 27, 1997 and amended April 15, 1999 for Mooney Model M20C,D,E,F,G,J,K,M,R.

Units Installed:

1ea 5RR-MFC-Series FSD 1ea 5RR CD-ROM P/N D98-00001-45 S/N 0385 TSO C113,C110a,C63c,C118,C147 P/N D98-00003-01 S/N C 1363 TSO C113

The FlightMax is a panel-mounted information processing and display system containing the following options; Traffic, Charts, Navigator, and CD Player. The Avidyne Traffic provides interface, control, and display of the existing Ryan TCAD 9900B System via the RS232 Bus. The Avidyne Traffic supplements the original TCAD Display by allowing access to all of the TCAD 9900B functions. The original TCAD System remains Intact. The Avidyne Charts is a moving map system that presents VFR and IFR enroute charts. Avidyne Charts updates are provided on a separated CD-ROM and should be kept current. NOTE; Navigation is not to be predicated on the use of Avidyne Charts - Avidyne Charts is an electronic aid to situational awareness designed to facilitate the use of approved navigational charts, not to replace them. Avidyne Navigator is a navigation management and display program utilizing its own database and obtaining position data from the existing KLN 90B GPS via the RS232 Data Bus. The database updates are provided on a separate CD-ROM and should be kept current. The Avidyne CD Player (CD-ROM Drive) is a panel mounted CD-ROM Drive to load new charts and to load Navigator database updates available from Avidyne.

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The Avidyne FSD receives power from the avionics buss through a 7.5 amp CB labeled "FSD".

The Avidyne FlightMax FSD User's Manual P/N 600-0032 Rev. 01 was placed in the aircraft.

Checked electrical load and found to be within system rated output.

-END-

Revised Weight & Balance and Equipment List Sept. 20, 1999. New A/C Basic Empty Weight [Computed]; 2661.5 Arm: 79.13 Moment; 210616.2.

MANUFACTURERS INSTRUCTIONS FOR CONTINUED AIRWORTHINESS PER APPENDIX J OF FLITEMAX INSTALLATION MANUAL

Maintenance of the 5RR-MFC-XXX Avidyne FlightMax Flight Situation Display (FSD) system is based on condition only. Periodic maintenance is not required.

✓ Additional Sheets Are Attached

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## MAJOR REPAIR AND ALTERATION

	Form OM8	Approved No. 2120-0020	
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Date 09-2	20-99						Signature of Auti	horized Indiv	Stilling			
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	Approv 20-99	al or Rejection	Desi	ficate or gnation No. OR815C			Signature of Aut	horized Indiv	idual	7/ _		



Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An atteration 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 ar	nd date work completed.)
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SUPPLEMENT SECTION A COPY OF DRAW	25, 1986, OR LATER FAA- APPROVED REVISIONS INSTRUCTIONS FOR CONTIL	
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## MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020

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			4. Unit Identific	atio	n			5. Type		
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13/17/01/15/17/13/17/95/0	V. WESTSHO			X Certificated Repair Station				VG4R595M		
TAMP	A, FL. 33607			8)	Manufacture			AIRFRA	STATE OF THE PARTY	
been made in is true and cor	ne repair and/or accordance wit rrect to the best	h the	ation made to the unit(s) in requirements of Part 43 may knowledge.	of the	e U.S. Federal	Aviation Regulations and	he revers that the	se or attachments information furni	shereto have shed herein	
Date 5-10-9	9			1111	OMAS P. BRIN	orized Individual	us	Rill	/	
		100			for Return to	Service			NEW PLAN	
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FAA Fit. Inspecto	Standards r		Manufacturer		Inspection A		her (Spe	спу)		
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Weight end belance or operating limitation changes shall be entered in the appropriate aircraft record. As alterative must be compatible with all previous alterations to essure continued conformity with the applicable airwarthiness requirements.

INSTALLATION OF TANIS AIRCRAFT SERVICES, INC. TAS-100 INSTRUCTIONS #104 DATED DEC. 29, 1996 AND TAS DRAWING HAVE BEEN PERFORMED AND RECORDED. EQUIPMENT LIST CONTINUED AIRWORTHINESS: AT EVERY 100 HOUSEANNIA.	PREHEATER SYSTEM IN ACCORDANCE WITH FAA APPROVED IN NO. 1008 DATED 3-17-87. WEIGHT AND BALANCE CALCULATIONS UPDATED. LOG BOOK ENTRY COMPLIED WITH. INSTRUCTIONS FOR INSPECTION, CHECK FOR DETERIORATION OF WIRING, SECURITY OF
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## MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020

For FAA Use Only

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disposition of this	is form. This re	sport i	entries. See FAR 43.9 is required by law (49 L deral Aviation Act of 19	U.S.C.	dar B, and / (421). Feat	AC 43.9-1 (or subsequent are to report can result in a	t revision the civil penal	ereal) for instri ty not to exceed	\$1,000 for	
	Make		HEON AIRCRAFT CO	- 10	NY	Model A36				
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	Name (As sh	онп	on registration certifica	sto)		Address (As shown	on registrati	ion certificate)		
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Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be competible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

#### B. Description of Work Accomplished

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

THIS INSTALLATION IS BASED ON THE FOLLOWING.

REFERENCE DATA:

B.F. GOODRICH AEROSPACE STORMSCOPE SERIES II SYSTEM, WX-950 INSTALLATION MANUAL P/N 009-10950-001 (REV. 00) DATED 8-21-97. CHANGE 3.

**EQUIPMENT INSTALLED:** 

B.F. GOODRICH AEROSPACE STORMSCOPE SERIES II WX.950 DISPLAY/PROCESSOR P/N 805-10950-001 TSO-C110a MOUNTED IN EXISTING PILOTS INSTRUMENT PANEL, LOWER RIGHT CORNER, AT F.S. 60.0

B.F. GOODRICH AEROSPACE STORMSCOPE SERIES II NY-173 ANTENNA P/N 805-10930-001 TSO-C110a MOUNTED TO BOTTOM OF AIRCRAFT BETWEEN F.S. 207.0 AND F.S. 233.5

KLIXON CIRCUIT BREAKER P/N 7277-2-3 INSTALLED ON 28VDC AVIONICS BUSS RIGHT CIRCUIT BREAKER PANEL AT F.S. 57.0.

INSTALLED B.F. GOODRICH AEROSPACE STORMSCOPE SERIES II, WX-950 WEATHER MAPPING SYSTEM IN ACCORDANCE WITH ABOVE REFERENCED DATA. THE SYSTEM IS POWERED BY A 3 AMP CIRCUIT BREAKER MOUNTED ON THE 28VDC AVIONICS BUSS PANEL AND IS ACCESSIBLE TO THE PILOT IN FLIGHT. THE CIRCUIT BREAKER IS PLACARDED "STORMSCOPE."

THE WX-950 DISPLAY/PROCESSOR IS INTERFACED WITH THE EXISTING, FACTORY INSTALLED, KI-525A HSI FOR HEADING REFERENCE INFORMATION SUPPLIED FROM THE STEPPER MOTOR LINES.

ELECTRICAL LOAD ANALYSIS VERIFIES THAT TOTAL ELECTRICAL LOAD REQUIREMENTS ARE WITHIN CAPABILITIES OF THE AIRCRAFT ELECTRICAL GENERATING SYSTEM.

GROUND TESTING OF SYSTEM REFLECTS ALL SYSTEMS ON AIRCRAFT OPERATE NORMALLY ALONG WITH INSTALLATION IN ACCORDANCE WITH CHAPTER 3, SECTION 3.3 POST INSTALLATION CHECKOUT OF THE INSTALLATION MANUAL P/N 009-10950-001 DATED 8-21-97 (REV. 00) CHANGE 3.

THE STRUCTURAL MOUNTING OF THE WX-950 WEATHER MAPPING SYSTEM IS SUFFICIENT TO ENSURE THE RESTRAINT OF THE EQUIPMENT WHEN SUBJECTED TO EMERGENCY LANDING LOADS APPROPRIATE TO THIS AIRCRAFT, AND VERIFIED ACCORDING TO AC 43.13-2A, CHAP. 1 PARA. 1, 2 & 3.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS:

INSPECT SYSTEM'S WIRING, INSTALLATION OF DISPLAY/PROCESSOR AND ANTENNA IN ACCORDANCE WITH THE ABOVE REFERENCED DATA AND APPENDIX D OF FAR PART 43. ADDITIONALLY AN "AUTHORIZED" B.F. GOODRICH STORMSCOPE SERIES II DEALER MUST PERFORM THE PERIODIC MAINTENANCE IN ACCORDANCE WITH CHAPTER 4 MAINTENANCE, SECTIONS 4.2, 4.2.1, 4.2.2 OF THE WX-950 INSTALLATION MANUAL P/N 009-10950-001 DATED 8-21-97 (REV. 00) CHANGE 3. THE ABOVE TEST AND INSPECTIONS ARE TO BE PERFORMED EVERY 12 MONTHS OR 100 HOURS OF OPERATION.

WEIGHT, BALANCE AND EQUIPMENT LIST REVISED.

THE ABOVE WORK WAS DONE IN ACCORDANCE WITH AC43.13-18; CHAP. 7, PARA 7-1, 2, 14, 15, 16, 63, 64, 85, 86, 87; CHAP. 10, PARA 10-14, 16, 19, 20; CHAP. 11, PARA 11-30, 31, 32, 37, 76, 85, 89, 96, 100, 103, 104, 107, 146, 155, 157, 158, 185, 186, 187, 205, 206, 207, 208, 210, 230, 232; CHAP. 12, PARA 12-8, 9, 10, 37; AC43.13-2A CHAP. 1, PARA 1, 2, 3, 4, 5, 6, 7; CHAP. 2, PARA 21, 22, 23, 24, 25, 27; CHAP. 3 AS APPLICABLE.

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## MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020 For FAA Use Only

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

#### B. Description of Work Accomplished

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

THIS INSTALLATION IS A FOLLOW-ON APPROVAL BASED ON RYAN INTERNATIONAL CORPORATION STC #SA1763GL FOR TCAD 9900 SERIES TRAFFIC AND COLLISION ALERT DEVICE WHICH WAS INSTALLED ON A CESSNA MODEL 414A.

#### REFERENCE DATA

RYAN TCAD INSTALLATION MANUAL FOR 9900 SERIES MODELS 9900, 9900A AND 9900B, P/N 32-2301 REVISION 2 DATED FEB. 2, 1998, OR LATER REVISION.

RAYTHEON AIRCRAFT SERVICES, INC. TAMPA, FL. WIRING DRAWINGS # M-0001 SHEETS 1,2 AND 3 DATED 2-14-99
RAYTHEON AIRCRAFT SERVICES, INC. TAMPA, FL. STRUCTURAL DRAWING # M-0012 SHEET 1 AND 2, FOR TOP TCAD
ANTENNA INSTALLATION. DATED 2-14-99.

RAYTHEON AIRCRAFT SERVICES, INC. TAMPA, FL. STRUCTURAL DRAWING # M-0013 SHEET 1 AND 2, FOR BOTTOM TCAD ANTENNA INSTALLATION. DATED 2-14-99.

FAA FORM 337 DATED 3-12-99 AS APPROVED DATA.

#### EQUIPMENT INSTALLED:

RYAN INTERNATIONAL CORP. MODEL 9900B PROCESSOR, P/N 70-2400, LOCATED ON EXISTING AFT AVIONICS SHELF, RIGHT SIDE AT F.S. 199.0

RYAN INTERNATIONAL CORP. MODEL 9900B DISPLAY, P/N 70-2500 LOCATED IN CENTER RADIO PANEL ADJACENT TO THE # 1 EXISTING NAV/COMM RADIO AT F.S. 58.0.

RYAN INTERNATIONAL TRANSPONDER ANTENNA COUPLER, P/N 62-2040 MOUNTED ON EXISTING FORWARD AVIONICS SHELF AT F.S. 51.0.

SENSOR SYSTEM TOP TCAD ANTENNA L-BAND, P/N 72-1750-31L, TSO-C47c ON TOP OF FUSELAGE AT F.S. 102.0. SENSOR SYSTEM BOTTOM TCAD ANTENNA, P/N 72-1750-32L, TSO-C47c ON BOTTOM OF FUSELAGE AT F.S. 138.0. KLIXON CIRCUIT BREAKER, P/N 7277-2-3 LOCATED IN AVIONICS CIRCUIT BREAKER PANEL, 28VDC BUSS AT F.S. 57.0.

RYAN INTERNATIONAL CORP. TCAD 9900B P/N 71-2400 TRAFFIC AND COLLISION AVOIDANCE SYSTEM INSTALLED IN ACCORDANCE WITH ABOVE REFERENCED DATA. THE SYSTEM PROCESSOR AND DISPLAY ARE POWERED BY A KLIXON 3 AMP CIRCUIT BREAKER MOUNTED IN THE 28VDC AVIONICS BUSS ON THE AVIONICS CIRCUIT BREAKER PANEL RIGHT SIDE OF COCKPIT, ACCESSIBLE TO THE PILOT IN FLIGHT. THE TCAD INFORMATION IS DISPLAYED ON A RYAN INTERNATIONAL, CORP. 9900B DISPLAY UNIT MOUNTED IN THE CENTER RADIO PANEL. THE TCAD PROCESSOR IS INTERFACED WITH EXISTING ALLIED SIGNAL, INC. M/N KMA-26 AUDIO PANEL, THE EXISTING SUPPRESSION BUSS AT THE ALLIED SIGNAL, INC. DME M/N KN-63 CONNECTOR, THE EXISTING ALLIED SIGNAL ENCODING ALTIMETER, M/N KEA-130A FOR ALTITUDE DATA AND THE EXISTING ALLIED SIGNAL, INC. ANTENNA SYSTEM.

PLACARD INSTALLED ON CIRCUIT BREAKER STATING " TCAD ".

RYAN INTERNATIONAL CORP. TCAD 9900B TRAFFIC AND COLLISION ALERT DEVICE FAA APPROVED FLIGHT MANUAL SUPPLEMENT DATED MARCH 3, 1999, PLACED IN SUPPLEMENTS SECTION OF AIRCRAFT FAA APPROVED FLIGHT MANUAL.

ELECTRICAL LOAD ANALYSIS VERIFIES THAT TOTAL ELECTRICAL LOAD REQUIREMENTS ARE WITHIN THE CAPABILITIES OF THE AIRCRAFT ELECTRICAL GENERATING SYSTEM.

GROUND TESTING OF SYSTEM REFLECT ALL SYSTEMS ON AIRCRAFT OPERATE NORMALLY ALONG WITH THE INSTALLATION IN ACCORDANCE WITH SECTION IV PERFORMANCE TESTING OF THE INSTALLATION MANUAL P/N 32-2301, Rev. 2 Feb. 2, 1998.

STRUCTURAL MOUNTING OF THE RYAN INTERNATIONAL CORP. TCAD 9900B SYSTEM IS SUFFICIENT TO ENSURE THE RESTRAINT OF THE EQUIPMENT WHEN SUBJECTED TO EMERGENCY LANDING LOADS APPROPRIATE TO THIS AIRCRAFT, AND VERIFIED ACCORDING TO AC43.13-2A, CHAP.1 PARA. 1,2& 3.

Form Approved OMB No. 2120-0020

For FAA Use Only

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