US Department
of Transportation
Federal Aviation

OWB No. 2120-0020 Electronic Tracking Number Exp: 5/31/2018

MAJOR REPAIR AND ALTERATION For FAA Use Only (Airframe, Powerplant, Propeller, or Appliance) INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a)) Nationality and Registration Mark 1450-159 N171Z 1. Aircraft Make Model Series Aero Commander 500B Name (As shown on registration certificate) Address (As shown on registration certificate) Address 155 Thorndike Way 2. Owner Leslie S. Nagy City State CA Folsom 95630 Country USA Zio 3. For FAA Use Only 4. Type 5. Unit Identification Repair Alteration Unit Model Serial No. Aero Commander 1450-159 (As described in Item 1 above) AIRFRAME X POWERPLANT П \Box П PROPELLER Гуре APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency Lestie S. Nagy U. S. Certificated Mechanic Manufacturer 155 Teromoles Ylay Foreign Certificated Mechanic C. Certificate No. City Folsom Certificated Repair Station A&P 3139135 Certificated Maintenance Organization 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 LESHE S. NAGY Islie 03/06/2020 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 Administration of the Federal Aviation Administration and is x Approved Rejected FAA Flt. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Inspector Department of Transport ΒY Other (Specify) FAA Designee Inspection Authorization Repair Station Certificate or Signature/Date of Authorized Individual Designation No. 2100211 3-6-20

	lf '	

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 of N171Z 03/06/20	
	Nationality and Registration Mark	Date
Installation:		
- Removed Garmin GTX327 transponder.		
- Installed Garmin GTX 345 with ADS-B Out a	nd In Functionality STC#SA01714W	ι ιΔ\Λ/
190-01499-02 July, 2016, GPS WAAS source TX of GTX345.	Garmin 430W on RS232#2, traffic ou	it on ARINC 429
17.01 417.040.		
Instructions for Continued Airworthiness: Reference 190-01449-02 for GTX 3X5.		
Weight and balance change is negligible.		
Airworthiness Limitations:		
There are no airworthiness limitations.		
Electrical Load:		Į.
Electrical load does not exceed 80% rated sy	stem capacity.	
Manuals available to owner:		
GTX345 AFM Supplement		
GTX345 Pilot's Guide		
		Ì
		ļ
Additi	onal Sheets Are Attached	

FAA Approved Model List (AML)

STC Number SA01714WI

Installation of Garmin Transponder GTX 33X and GTX 3X5 with ADS-B

FAA APPROVED

ODA ADMINISTRATOR

DATE

ODA-240087-CE Garmin International 1200 E. 151st Street, Olathe KS 66062

Issued Date: May 1, 2013 Revised Date: August 27, 2013,

March 8, 2016 July 21, 2016

AML Revision Log

Date	Description
5/1/2013	Initial Release
8/27/2013	Defined which aircraft were certified with 14CFR 23.1353(h) being part of the certification basis.
08-Mar-2016	Added GTX 3X5 along with additional aircraft models. Split the AML into two tables as noted below
21-July-2016	Corrected typographical error regarding LC42-550FG in Table II

NOTE:

This AML contains 2 Tables as part of the 08-Mar-2016 revision.

- Table I identifies Aircraft approved for the GTX 33X and GTX 3X5 WITHOUT GX000
 Equipped flight deck system
- Table II identifies Aircraft approved for the GTX 3X5R only WITH G950/G1000 Equipped flight deck system

All notes are listed at the end of the document

Table of Tables

TABLE PAC	
Table I – NON-GX000 Equipped Aircraft for the GTX 33X and GTX 3X53	
Table II – G950/G1000 Equipped Aircraft for the GTX 3X5R ONLY24	
Table III – Notes Information20	6

Table I - NON-GX000 Equipped Aircraft for the GTX 33X and GTX 3X5

<u>Table I</u> : Approved Aircraft <u>WITHOUT</u> GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
	S.205-18/F, S.205-18/R, S.205-20/F, S.205-20/R, S.205-22/R, S.208, S.208A	A9EU	FAR 21 FAR 23	1	Original 5/1/2013	
Aermacchi S.p.A (Aermacchi S.p.A) [Siai Marchetti]	F.260, F.260B, F.260C, F.260D, F.260E, F.260F	A10EU	CAR 3 FAR 23	1	Original 5/1/2013	
(om mached)	S.211A	A86EU	FAR 23	1	Original 5/1/2013	
Aero Commander (Dynac Aerospace Corporation) [Volaire]	10 (Volaire), 10A (Volaire), 100 (Aero Commander), 100A (Aero Commander), 100-180 (Aero Commander)	1A21	CAR 3	1	Original 5/1/2013	
Aerostar (Aerostar Aircraft Corporation) [Piper/Smith]	PA-60-600 (Aerostar 600), PA-60-601 (Aerostar 601), PA-60-601P (Aerostar 601P), PA-60-602P (Aerostar 602P), PA-60-700P (Aerostar 700P)	A17WE	FAR 23	1	Original 5/1/2013	
Air Tractor (Air Tractor Inc.)	AT-401, AT-401B, AT-402, AT-402A, AT-402B, AT-502, AT-502A, AT-504, AT-502B	A17SW	FAR 21 FAR 23	6	Revision 2 08-Mar-2016	2
(Air i factor inc.)	AT-602, AT-802, AT-802A	A19SW	FAR 21 FAR 23	1	Revision/Date Original 5/1/2013 Original 5/1/2013 Original 5/1/2013 Original 5/1/2013 Original 5/1/2013	
Alexandria Aircraft	14-19, 14-19-2, 14-19-3, 14-19-3A, 17-30, 17-31, 17-31TC	1A3	CAR 3	6		
(Alexandria Aircraft LLC) [Bellanca; Viking Aviation]	17-30A, 17-31A, 17-31ATC	A18CE	FAR 23	6		
American Champion (American Champion Aircraft Corporation)	7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7KC, 7KCAB	A-759	CAR 4a FAR 23	6		
[Bellanca; Champion; Aeronca; Tetelestai; FRA Enterprises]	8GCBC, 8KCAB	A21CE	FAR 23	6		

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders Airplane Make Master Drawing * TC Type Certificate AMI. (TCDS Holder) Airplane Model Designation Certification List Revision Notes Number Revision/Date [common name or previous make] Basis (005-00734-04) Atlantic Coast Seaplanes LLC (Atlantic Coast Seaplanes LLC) Original G-21C, G-21D, G-21E, G-21G 4A24 CAR 3 1 [A.G. McKinnon; Viking Air Limited; 5/1/2013 Aero Planes, Inc; Grumman] Aviat Aircraft, Inc. (Aviat Aircraft Inc.) Revision 2 A-1, A-1A, A-1B, A-1C-180, A-1C-200 A22NM **FAR 23** 6 [Sky International; White International; 08-Mar-2016 Aviat Inc.; Christen Industries] 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, Original 3A15 CAR 3 1 H35, J35, K35, M35, N35, P35, 5/1/2013 S35, V35, V35A, V35B, 36, A36, A36TC, B36TC 95, B95, B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, CAR 3 Original 95-B55B (T-42A), 95-C55, 95-C55A, 3A16 Beechcraft **FAR 23** 5/1/2013 D55, D55A, E55, E55A, 56TC, A56TC, (Beechcraft Corporation) 58, 58A [Hawker Beechcraft Corporation; Raytheon] 65 (L-23F), A65, 65-80, 65-A80, 65-B80, 65-88, 65-90, 65-A90, 65-A90-1 (JU-21A, U-21A, RU-21A, CAR 3 Original RU-21D, U-21G, RU-21H), 3A20 **FAR 23** 5/1/2013 65-A90-2 (RU-21B), 65-A90-3 (RU-**FAR 25** 21C), 65-A90-4 (RU-21E), (RU-21H), 70, B90, C90, C90A, C90GT, E90 45 (YT-34), A45 (T-34A B-45), Original 5A3 CAR 3 1 D45 (T-34B) 5/1/2013

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
	50 (L-23A), B50 (L-23B), C50, D50 (L-23E), D50A, D50B, D50C, D50E, D50E-5990, E50 (L-23D, RL-23D), F50, G50, H50, J50	5A4	CAR 3	1	Original 5/1/2013	
	D17S (Army UC-43, UC-43B, Navy GB- 1, GB-2), SD17S	A-649	AB 7A	6	Revision 2 08-Mar-2016	
	18D, A18A, A18D, S18D, SA18A, SA18D	A-684	AB 7A	1	Original 5/1/2013	
(continued) Beechcraft	3N, 3NM, 3TM, JRB-6, D18C, D18S, E18S, E18S-9700, G18S, H18, C-45G, C-45H, RC-45J (SNB-5P), TC-45G, TC-45H, TC-45J, UC-45J (SNB-5)	A-765	CAR 3	1	Original 5/1/2013	
(Beechcraft Corporation) [Hawker Beechcraft Corporation; Raytheon]	35, A35, B35, C35, D35, E35, F35, G35, 35R	A-777	CAR 3	1	Original 5/1/2013	
Kaymeon]	19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	AICE	CAR 3	1	Original 5/1/2013	
	60, A60, B60	A12CE	FAR 23	1	Original 5/1/2013	
	99, 99A, 99A (FACH), A99, A99A, B99, C99, A100C, B100	A14CE	FAR 23	1	Original 5/1/2013	
	58P, 58PA, 58TC, 58TCA	A23CE	FAR 23	1	Original 5/1/2013	

	FAA Approved Moder List (ANIL) SIC SAUL	14441			
Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
(continued)	200, 200C, 200T, 200CT, B200, B200T, B200C (C-12F, C-12R, UC-12F, UC-12M), A200CT (C-12D, C-12F, FWC-12D, RC-12D, RC-12D, RC-12H, RC-12K, RC-12P, RC-12Q), B200CT, 1900, 1900D, 1900C (C-12J) 300, 300LW,	A24CE	FAR 23, FAR 25	1	Original 5/1/2013	1
	B300, B300C (MC-12W)	A24CE	FAR 23, FAR 25	1	Original 5/1/2013	1,3
Beechcraft (Beechcraft Corporation) [Hawker Beechcraft Corporation;	T-34C (T-34C-1) (34C)	A26CE	FAR 23	1	Original 5/1/2013	
Raytheon]	76	A29CE	FAR 23	1	Original 5/1/2013	
	F90	A31CE	FAR 23	1	Original 5/1/2013	
	18A, S18A	TC 630	AB 7A	1	Original 5/1/2013	
	G17S	TC 779	AB 7A CAR 4	6	Revision 2 08-Mar-2016	
Beechcraft Corporation (Beechcraft Corporation) [Hawker Beechcraft Corporation; Raytheon]	77	А30СЕ	FAR 23	1	Original 5/1/2013	
Bellanca (Bellanca Aircraft Corporation)	14-13, 14-13-2, 14-13-3, 14-13-3W	A-773	CAR 4a	6	Revision 2 08-Mar-2016	

Issued: May 1, 2013 Revised: 21-July-2016

	FAA Approved Model List (AML) STC SAU1/14W1						
<u>Table I</u> : Approved Aircraft <u>WITHQUT</u> GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders							
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes	
B-N Group LTD. (B-N Group Ltd.) [Pilatus Britten-Norman Limited]	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN-2T, BN-2T-4R	A17EU	FAR 21 FAR 23	1	Original 5/1/2013		
	BN2A MK. III, BN2A MK. III-2, BN2A MK. III-3	A29EU	FAR 21 FAR 23	1	Original 5/1/2013		
Boeing (The Boeing Company) [Rockwell International; North American Aviation]	BC-1A, AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), SNJ-7, T-6G	A-2-575	CAR 4a	1	Original 5/1/2013		
Cessna (Cessna Aircraft Company)	T-50 (Army AT-17, UC-78 series, and Navy JRC-1)	A-722	CAR 4a	6	Revision 2 08-Mar-2016		
(F150F, F150G, F150H, F150J, F150K, F150L, F150M, F152, FA150K, FA150L, FA150M, FA152, FRA150L, FRA150M	A13EU	CAR 3	6	Revision 2 08-Mar-2016		
Cessna (Cessna Aircraft Company)	FR172E, FR172F, FR172J, FR172H, FR172G, FR172K	A18EU	CAR 3 FAR 21	1	Original 5/1/2013		
[Reims Aviation S.A.]	F337E, FT337E, F337F, FT337F, F337G, FT337GP, F337H, FT337HP	A23EU	FAR 23	6	Original 5/1/2013 Original 5/1/2013 Original 5/1/2013 Original 5/1/2013 Revision 2 08-Mar-2016 Revision 2 08-Mar-2016 Original		
	F182P, F182Q, FR182	A42EU	CAR 3	6			
Cirrus Design Corporation (Cirrus Design Corporation)	SR20, SR22	A00009CH	FAR 23	1		3	
Costruzioni Aeronautiche Tecnam srl (Costruzioni Aeronautiche Tecnam srl) [Tecnam]	P2006T	A62CE	FAR 23	6		3	

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders Airplane Make * TC Master Drawing Type Certificate **AML** (TCDS Holder) Airplane Model Designation Certification List Revision Notes Number Revision/Date [common name or previous make] (005-00734-04) Basis Commander (Commander Aircraft Corporation) 112, 112TC, 112B, 112TCA, CAR 3 Original A12SO 1 [Gulfstream Aerospace; Gulfstream 114, 114A, 114B, 114TC FAR 23 5/1/2013 American; Rockwell Int'l; CPAC, Inc.] Cub Crafters Revision 2 CC18-180, CC18-180A A00006SE **FAR 23** 3 6 (Cub Crafters, Inc.) 08-Mar-2016 Diamond FAR 21 Original DA 40 A47CE 1 3 (Diamond Aircraft Industries GmbH) **FAR 23** 5/1/2013 Diamond FAR 21 Original DA20-A1, DA20-C1 TA4CH 1 (Diamond Aircraft Industries Inc.) **FAR 23** 5/1/2013 Discovery Revision 2 (Discovery Aviation, Inc.) A00008DE XL-2 FAR 23 6 3 08-Mar-2016 [Liberty Aerospace Incorporated] Dornier 228-100, Dornier 228-101, DORNIER LUFTFAHRT GmbH Dornier 228-200, Dornier 228-201, **FAR 21** Original A16EU (DORNIER LUFTFAHRT GmbH) Dornier 228-202, Dornier 228-212, FAR 23 5/1/2013 Do 28 D, Do 28 D-1 PZL-104 WILGA 80, **FAR 21** Original PZL-104M WILGA 2000, A55EU 1 EADS-PZL "Warszawa-Okecie" (EADS-**FAR 23** 5/1/2013 PZL-104MA WILGA 2000 PZL "Warszawa-Okecie" S.A.) [PZL; Panstwowe Zaklady Lotnicze] PZL-KOLIBER 150A, FAR 21 Original A69EU 1 PZL-KOLIBER 160A **FAR 23** 5/1/2013 Embraer S.A. **FAR 23** Original (Embraer S.A.) EMB-110P1, EMB-110P2 A21SO 1 FAR 25 5/1/2013 [Empresa Brasileira de Aeronautica S. A.]

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System						
	for installation of GTX 33/3			ystem		
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
Extra (Extra Flugzeugproduktions- und	EA-400	A43CE	FAR 23	6	Revision 2 08-Mar-2016	3
Vertriebs- GmbH) [Extra Flugzeugbau GmbH]	EA 300/L	A67EU	FAR 23	6	Revision 2 08-Mar-2016	
	FBA-2C, FBA-2C1 FBA-2C2	A7EA	FAR 23 CAR 3	1	Original 5/1/2013	
Found Aircraft Canada, Inc. (Found Aircraft Canada, Inc.)	FBA-2C3	A7EA	FAR 23 CAR 3	1	Original 5/1/2013	3
	FBA-2C3T, FBA-2C4, FBA-2C4T	2C3T, FBA-2C4, FBA-2C4T A7EA FAR 23 CAR 3 6	Revision 2 08-Mar-2016	3		
Found Brothers (Found Brothers Aviation Limited)	FBA Centennial "100"	A13EA	FAR 23	1	Original 5/1/2013	
FS2003 Corp. (FS 2003 Corporation) [Piper]	PA-12, PA-12S	A-780	CAR 3	1	Original 5/1/2013	
GA8 Airvan (Pty) Ltd (GA 8 Airvan (Pty) Ltd) [Gippsland Aeronautics Pty. Ltd.]	GA8, GA8-TC320	A00011LA	FAR 23	1	Original 5/1/2013	3
Gomolzig Flugzeug- und Maschinenbau GmbH (Gomolzig Flugzeug- und Maschinenbau GmbH) [FFA Aircraft Bravo AG; FFA Fahrzeugwerke Altenhein AG; FFA Flug- und Fahrzeugwerke AG]	AS 202/15 "BRAVO", AS 202/18A "BRAVO", AS 202/18A4 "BRAVO"	A34EU	FAR 23	6	Revision 2 08-Mar-2016	
Great Lakes (WACO Classic Aircraft Corporation) [Windward Aviation, Inc.; Great Lakes Aircraft Company; Chaparral Motors, Inc.; John Duncan]	2T-1A, 2T-1A-1, 2T-1A-2	A18EA	FAR 23 AB 7A	6	Revision 2 08-Mar-2016	

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders Airpiane Make * TC Master Drawing Type Certificate **AML** (TCDS Holder) Airplane Model Designation Certification List Revision Notes Number Revision/Date [common name or previous make] (005-00734-04) Basis Grob Aircraft AG **FAR 21** Original G120A A49CE 3 (Grob Aircraft AG) FAR 23 5/1/2013 [Grob Werke GmbH & Co. KG; BURKHART GROB Luft- und Raumfahrt G115, G115A, G115B, FAR 21 Original GmbH & Co. KG; GROB-WERKE; G115C, G115C2, G115D, A57EU 1 FAR 23 5/1/2013 GROB Aerospace GmbH; GROB G115D2, G115EG Aerospace GmbH i.l.] Grumman Original (Grumman American Aviation TC 654 Grumman G-21, Grumman G-21A AB 7A 1 5/1/2013 Corporation) Gulfstream American (Gulfstream American Corporation) G-44 (Army OA-14 Navy J4F-2), Original A-734 CAR 4a 1 Grumman American Aviation G-44A, SCAN Type 30 5/1/2013 Corporation) H-250, H-295 (USAF U-10D), Original HT-295, H-391 (USAF YL-24), H-391B, 1A8 CAR 3 . 1 H-395 (USAF L-28A or U-10B), H-395A, 5/1/2013 H-700, H-800 (Helio Aircraft, LLC) Original [Alliance] CAR 3 1 A2EA 5/1/2013 HST-550, Original A4EA CAR 3 1 5/1/2013 HST-550A (USAF AU-24A) Howard DGA-15P (Army UC-70; Navy GH-1, Revision 2 (Howard Aircraft Foundation) GH-2, GH-3, NH-1), A-717 CAR 4a 6 08-Mar-2016 [Jobmaster Co.] DGA-15J (Army UC-70B), DGA-15W Interceptor (Interceptor Aviation, Inc.) Original 200, 200A, 200B, 200C, 200D, 400 3A18 CAR 3 1 [Interceptor Aircraft Corporation; Prop-5/1/2013 Jets, Inc.; Aero Commander; Myers]

Issued: May 1, 2013 Revised: 21-July-2016

<u>Table I</u> : Approved Aircraft <u>WITHOUT</u> GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders							
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes	
JGS Properties, LLC (JGS Properties, LLC) [Quartz Mountain Aerospace; Luscombe Aircraft Corporation; Land-Air & Leasing, Inc.; Richard S. Kettles]	11A, 11E	A-804	CAR 3	1	Original 5/1/2013	3	
Learjet (Learjet Inc.)	23	A5CE	CAR 3	1	Original 5/1/2013		
Lockheed (Lockheed Martin Aeronautics Company)	402-2	2Ail	CAR 3	1	Original 5/1/2013		
[Lockheed Aircraft International; Lockheed Aircraft Corporation]	18	A-723	CAR 4a	1	Original 5/1/2013		
Lockheed (Lockheed Aircraft Corporation)	12-A (Army UC-40; UC-40A; Navy JO-1; JO-2)	TC 616	AB 7A	1	Original 5/1/2013		
M7 Aerospace LLC	SA26-T, SA26-AT, SA226-T, SA226-T(B), SA226-AT, SA227-AT, SA227-TT	A5SW	CAR 3	1	Original 5/1/2013		
(M7 Aerospace LLC) [Fairchild Aircraft Incorporated]	SA226-TC, SA227-AC (C-26A), SA227-BC (C-26A)	A8SW	FAR 23	1	Original 5/1/2013		
	SA227-CC, SA227-DC (C-26B)	A18SW	FAR 23	1	Original 5/1/2013 Original 5/1/2013		

Table 1: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/339 or GTX 335/345 Transponders Airplane Make * TC Master Drawing Type Certificate AML (TCDS Holder) **Airplane Model Designation** Certification List Revision Notes Number Revision/Date [common name or previous make] (005-00734-04) Basis Bee Dee M-4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180S, M-4-180T, M-4-180V, M-4-210, M-4-210C, M-4-210S, M-4-210T, M-4-220, M-4-220C, M-4-220S, M-4-220T, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C, Manle M-5-235C, M-6-180, M-6-235, Revision 2 (Maule Aerospace Technology, Inc.) M-7-235, M-7-235A, M-7-235B, 3A23 CAR 3 08-Mar-2016 [Maule Aircraft Corporation] M-7-235C, M-7-260, M-7-260C, M-7-420A, M-7-420AC, M-8-235, M-9-235, MT-7-235, MT-7-260, MT-7-420, MX-7-160, MX-7-160C, MX-7-180, MX-7-180A, MX-7-180B, MX-7-180C, MX-7-180AC, MX-7-235, MX-7-420, MXT-7-160, MXT-7-180, MXT-7-180A MICCO Aircraft Co. Inc. (MICCO Aircraft Company Inc.) MAC-125C, MAC-145, CAR 4a Original 3A1 1 [Myers; LanShe Interceptor Prop-Jets MAC-145A, MAC-145B FAR 23 5/1/2013 Haven Estumkeda Aero Acq] MU-2B-25, MU-2B-26, MU-2B-26A, CAR 3 Original MU-2B-35, MU-2B-36, MU-2B-36A, A10SW 1 **FAR 23** 5/1/2013 Mitsubishi MU-2B-40, MU-2B-60 (Mitsubishi Heavy Industries, Ltd.) MU-2B, MU-2B-10, MU-2B-15, [Mitsubishi Aircraft International Inc.] Original MU-2B-20, MU-2B-25, MU-2B-26, A2PC CAR 3 1 5/1/2013 MU-2B-30, MU-2B-35, MU-2B-36

Issued: May 1, 2013 Revised: 21-July-2016

<u>Table I</u> : Approved Aircraft <u>WITHOUT</u> GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
Mooney (Mooney International Corporation) [Mooney Aviation Company, Inc.; Mooney	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L, M20S,	2A3	CAR 3 FAR 23	1	Original 5/1/2013	
Airplane Co; Mooney Aircraft Corporation; Aerostar Aircraft Corp]	M20M, M20R	2A3	CAR 3 FAR 23	1	Original 5/1/2013	
Mooney (Mooney Aircraft Corporation)	M22	A6SW	CAR 3	1	Original 5/1/2013	
Morane-Saulnier (SOCATA - Groupe Aerospatiale) [Rallye]	M.S. 760, M.S. 760 A, M.S. 760 B	7A3	CAR 3	1	Original 5/1/2013	
NARDI (NARDI S.A.) [Siai Marchetti]	FN-333	7A5	CAR 3	1	Original 5/1/2013	
Navion (Sierra Hotel Aero, Inc.) [Navion; North American; Ryan Aeronautical; Base Ind; Kotowicz; Thompson; Klinger; Diamond Aero]	Navion (L-17A), Navion A (L-17B; L-17C), Navion B, Navion D, Navion E, Navion F, Navion G, Navion H	A-782	CAR 3	1	Original 5/1/2013	
PACIFIC AEROSPACE LIMITED (Pacific Aerospace Limited) [Pacific Aerospace Corporation, Ltd.]	750XL	A50CE	FAR 21 FAR 23	1	Original 5/1/2013	3
PIAGGIO (Industrie Aeronautiche e Meccaniche Rinaldo Piaggio S.p.A.) [Piaggio & Co.; Industrie Aeronautiche E Meccaniche]	P.166, P.166B, P.166C, P.166 DL3	7A4	CAR 3 FAR 21 FAR 23	1	Original 5/1/2013	
PIAGGIO (Piaggio & C.)	P.136-L, P.136-L1, P.136-L2	A-813	CAR 3	1	Original 5/1/2013	
PIAGGIO (Piaggio Aero Industries S.p.A)	PIAGGIO P-180	A59EU	FAR 21 FAR 23	1	Original 5/1/2013	1

Issued: May 1, 2013 Revised: 21-July-2016

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
PILATUS	PC-6, PC-6-H1, PC-6-H2, PC-6/350, PC-6/350-H1, PC-6/350-H2, PC-6/A, PC-6/A-H1, PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1-H2	7A15	CAR 3	1	Original 5/1/2013	
(PILATUS Aircraft Ltd.)	PC-7	A50EU	FAR 21 FAR 23	1	Original 5/1/2013	
	PILATUS PC-12, PILATUS PC-12/45, PILATUS PC-12/47,	A78EU	FAR 21 FAR 23	1	Original 5/1/2013	3
	PA-18, PA-18A, PA-18S, PA-18 "105" (Special), PA-18S "105" (Special), PA-18 "125", PA-18S "125", PA-18AS "125", PA-18 "135", PA-18A "135", PA-18S "135", PA-18A "135", PA-18 "150", PA-18AS "150", PA-18S "150", PA-18AS "150", PA-19, PA-19S	1A2	CAR 3	6	Revision 2 08-Mar-2016	
Piper Aircraft, Inc. (Piper Aircraft, Inc.) [The New Piper Aircraft, Inc]	PA-20, PA-20S, PA-20 "115", PA-20S "115", PA-20 "135", PA-20S "135"	1A4	CAR 3	6	Revision 2 08-Mar-2016	
	PA-22, PA-22-108, PA-22-135, PA-22S-135, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	1A6	CAR 3	6	Revision 2 08-Mar-2016	
	PA-23, PA-23-160, PA-23-235, PA-23-250, PA-E23-250	1A10	CAR 3	1	Original 5/1/2013	
	PA-24, PA-24-250, PA-24-260, PA-24-400	1A15	CAR 3	1	Original 5/1/2013	

Issued: May 1, 2013 Revised: 21-July-2016

<u>Table I</u> : Approved Aircraft <u>WITHOUT</u> GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
	PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-180, PA-28-201T, PA-28-235, PA-28-236, PA-28S-160, PA-28S-180, PA-28R-180, PA-28R-200, PA-28R-201T, PA-28RT-201, PA-28RT-201T	2A13	CAR 3 FAR 23	1	Original 5/1/2013	
	PA-28-161, PA-28R-201, PA-28-181	2A13	CAR 3 FAR 23	1	Original 5/1/2013	3
<i>(continued)</i> Piper Aircraft, Inc.	PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32RT-300T,	A3SO	CAR 3	1	Original 5/1/2013	
	PA-32R-301(HP), PA-32R-301(SP), PA-32-301XTC, PA-32R-301T, PA-32-301FT	A3SO	CAR 3	1	Original 5/1/2013	3
(Piper Aircraft, Inc.) The New Piper Aircraft, Inc]	PA-34-200, PA-34-200T	A7SO	FAR 23	1	Original 5/1/2013	
	PA-38-112	A18SO	FAR 23	1	Original 5/1/2013	
	PA-44-180T	A19SO	FAR 23	1	Original 5/1/2013	
	PA-44-180	A19SO	FAR 23	1	Original 5/1/2013	3
	PA-31 (PA-31-310), PA-31-300, PA-31-325, PA-31-350	A20SO	CAR 3 FAR 23	1	Original 5/1/2013	
	PA-42, PA-42-720, PA-42-1000	A23SO	FAR 23	1	Original 5/1/2013	

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders Airplane Make Master Drawing * TC Type Certificate **AML** (TCDS Holder) Airplane Model Designation Certification List Revision Notes Revision/Date Number [common name or previous make] Basis (005-00734-04) Original PA-46-310P A25SO **FAR 23** 1 5/1/2013 PA-46-350P, PA-46R-350T, Original (continued) A25SO **FAR 23** 1 3 PA-46-500TP 5/1/2013 FAR 23, Original Piper Aircraft, Inc. PA-42-720R A32SO 1 **FAR 25** 5/1/2013 (Piper Aircraft, Inc.) [The New Piper Aircraft, Inc] Original PA-30, PA-39, PA-40 AIEA CAR 3 1 5/1/2013 PA-31P, PA-31T, PA-31T1, CAR 3 Original A8EA 1 PA-31T2, PA-31T3, PA-31P-350 **FAR 23** 5/1/2013 Polskie Zaklady Lotnicze Spolka zo.o **FAR 21** Original (Polskie Zaklady Lotnicze Spolka zo.o) PZL M26 01 A44CE 1 FAR 23 5/1/2013 [PZL Mielec] Reims Aviation SA Original F406 A54EU **FAR 23** 1 (Reims Aviation S.A.) 5/1/2013 Revo Inc. Colonial C-1, Colonial C-2, (Revo, Incorporated) Lake LA-4, Lake LA-4A, Original [Colonial Aircraft Co; Lake Aircraft Corp; 1A13 CAR 3 1 Lake LA-4P, Lake LA-4-200, 5/1/2013 Consolidated Aeronautics; Global Lake Model 250 Amphibians] RUAG Aerospace Services GmbH Original Do 28 A-1, Do 28 B-1 CAR 3 7A13 1 (RUAG Aerospace Services GmbH) 5/1/2013 Dornier-Werke G.M.b.H.; DORNIER LUFTFAHRT GmbH; Fairchild Dornier Original Do 27 Q-6 A8IN CAR 3 1 5/1/2013 GmbH] Short Brothers & Harland LTD (Short FAR 21 Original SC-7 Series 2, SC-7 Series 3 A15EU 1 Brothers & Harland Ltd.) **FAR 23** 5/1/2013

	<u>Table I</u> : Approved Aircraft <u>WITHOUT</u> GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes	
SOCATA (SOCATA)	TB 9, TB 10, TB 20, TB 21, TB 200	A51EU	FAR 21 FAR 23	1	Original 5/1/2013		
[SOCATA - Groupe Aerospatiale; EADS SOCATA]	TBM 700	A60EU	FAR 21 FAR 23	1	Original 5/1/2013	3	
SOCATA MORANE SAULNIER (Rallye) Series (SOCATA) [SOCATA - Groupe Aerospatiale]	Rallye 100S, Rallye 150T, Rallye 150ST, Rallye 235C, Rallye 235E, MS 880B, MS 885, MS 892A-150, MS 892E-150 (Rallye 150GT), MS 893A, MS 893E (Rallye 180GT), MS 894A, MS 894E	7A14	CAR 3	1	Original 5/1/2013		
SOCATA, S.A. (SOCATA, S.A.) [Grumman]	GA-7	A17SO	FAR 23	1	Original 5/1/2013		
STOL (Sky Enterprises, Inc.) [Republic; Sea-bee]	RC-3	A-769	CAR 3	1	Original 5/1/2013		
STOL (STOL Aircraft Corporation) [United Consultants; Twin-Bee; Republic]	UC-1	A6EA	CAR 3	1	Original 5/1/2013		
Symphony Aircraft Industries Inc. (Symphony Aircraft Industries Inc.) [Ostmecklenburgische Flugzeugbau GmbH]	OMF-100-160, SA 160	A46CE	FAR 23	6	Revision 2 08-Mar-2016	3	

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders Airplane Make * TC **Master Drawing** Type Certificate AML (TCDS Holder) Airplane Model Designation Certification List Revision Notes Number Revision/Date [common name or previous make] Basis (005-00734-04) 310, 310A (USAF U-3A), 310B, 310C, 310D, 310E (USAF U-3B), 310F, 310G, 310H, CAR 3 Original 3A10 1 E310H, 310I, 310J, 310J-1, E310J, 310K, FAR 23 5/1/2013 310L, 310N, 310P, T310P, 310Q, T310Q, 310R, T310R 172, 172A, 172B, 172C, 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF CAR 3 Original 3A12 1 T-41A), 172I, 172K, 172L, 172M, 172N, **FAR 23** 5/1/2013 172P, 172Q (Skyhawk), 172R, 172S 182, 182A, 182B, 182C, 182D, 182E, Textron Aviation Inc. 182F, 182G, 182H, 182J, 182K, 182L, CAR 3 Original 3A13 1 (Textron Aviation Inc.) 182M, 182N, 182P, 182Q, 182R, R182, **FAR 23** 5/1/2013 [Cessna Aircraft Company] T182, TR182, 182S, 182T, T182T 172RG, P172D, R172E (USAF T-41B), (USAF T-41C and D), Original CAR 3 R172F (USAF T-41D), 3A17 1 FAR 23 5/1/2013 R172G (USAF T-41 C or D), R172H (USAF T-41D), R172J, R172K, 175, 175A, 175B, 175C 150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, 150L, CAR 3 Original 3A19 1 150M, A150K, A150L, A150M, 152, **FAR 23** 5/1/2013 A152

Issued: May 1, 2013 Revised: 21-July-2016

<u>Table I</u> : Approved Aircraft <u>WITHOUT</u> GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
	210, 210A, 210B, 210C, 210D, 210E, 210F, T210F, 210G, T210G, 210H, T210H, 210J, T210J, 210K, T210K, 210L, T210L, 210M, T210M, 210N, P210N, T210N, 210R, P210R, T210R, 210-5 (205), 210-5A (205A)	3A21	CAR 3 FAR 23	1	Original 5/1/2013	
	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F	3A24	CAR 3 FAR 21 FAR 23	1	Original 5/1/2013	:
	320, 320A, 320B, 320C, 320D, 320E, 320F, 320-1, 335, 340, 340A	3A25	CAR 3 FAR 23	1	Original 5/1/2013	
(continued)	140A	5A2	CAR 3 CAR 4a	1	Original 5/1/2013	
Textron Aviation Inc. (Textron Aviation Inc.)	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K	5A6	CAR 3	1 '	Original 5/1/2013	
[Cessna Aircraft Company]	120, 140	A-768	CAR 4a	1	Original 5/1/2013	
	190, 195 (LC-126A,B,C), 195A, 195B	A-790	CAR 3	1	Original 5/1/2013	
	170A, 170B	A-799	CAR 3	1	Original 5/1/2013	
	525	AlWI	FAR 23	1	Original 5/1/2013	1
	525A	AIWI	FAR 23	1	Original 5/1/2013	1,3
	336	A2CE	CAR 3	1	Original 5/1/2013	

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders Airplane Make * TC Master Drawing Type Certificate AML (TCDS Holder) Airplane Model Designation Certification List Revision Notes Number Revision/Date [common name or previous make] Basis (005-00734-04) 206, P206, P206A, P206B, P206C, P206D, P206E, TP206A, TP206B, TP206C, TP206D, TP206E, U206, CAR 3 Original U206A, U206B, U206C, U206D, U206E, A4CE 1 **FAR 23** 5/1/2013 U206F, U206G, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, 206H, T206H 337, 337A (USAF 02B), 337B, T337B, 337C, 337E, T337E, T337C, 337D, CAR 3 Original T337D, M337B (USAF 02A), 337F, A6CE 1 **FAR 23** 5/1/2013 T337F, 337G, T337G, 337H, P337H, T337H, T337H-SP 401, 401A, 401B, 402, 402A, 402B, Original (continued) 402C, 411, 411A, 414, 414A, 421, 421A, A7CE CAR 3 5/1/2013 421B, 421C, 425 Textron Aviation Inc. Original 177, 177A, 177B A13CE **FAR 23** 1 (Textron Aviation Inc.) 5/1/2013 [Cessna Aircraft Company] Original 207, 207A, T207, T207A A16CE **FAR 23** 1 5/1/2013 Original 177RG A20CE **FAR 23** 1 5/1/2013 Original 404, 406 A25CE **FAR 23** 1 5/1/2013 Original 501 551 A27CE 1 **FAR 23** 5/1/2013 Original 441 A28CE **FAR 23** 1 5/1/2013 Original T303 A34CE FAR 23 1 5/1/2013

Issued: May 1, 2013 Revised: 21-July-2016

raa appiored model List (AML) 510 SAULTI-WI						
Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	* TC Certification Basis	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
(continued)	208 (208A), 208B	А37СЕ	FAR 23	1	Original 5/1/2013	
Textron Aviation Inc. (Textron Aviation Inc.) [Cessna Aircraft Company]	LC40-550FG, LC41-550FG, LC42-550FG	A00003SE	FAR 23	6	Revision 2 08-Mar-2016	
TKEF (The King's Engineering Fellowship (TKEF))	Model 44	A2WI	FAR 23	1	Original 5/1/2013	
TRIDENT (Viking Air, Ltd)	TR-1	A19EA	FAR 23	1	Original 5/1/2013	
Triton Aerospace LLC (Triton Aerospace LLC) [Triton America LLC; AAI Acquisition, Inc.; Adam Aircraft]	A500	A00009DE	FAR 23	6	Revision 2 08-Mar-2016	3
True Flight Holdings LLC (True Flight Holdings LLC)	AA-1 , AA-1A, AA-1B, AA-1C	A11EA	FAR 23	1	Original 5/1/2013	
[Tiger Aircraft LLC; American General Aircraft Holding; American General Aircraft Corp; American Aviation; Gulfstream American; Gulfstsream Aerospace; Grumman American]	AA-5, AA-5A, AA-5B, AG-5B	A16EA	FAR 23	1	Original 5/1/2013	
Twin Commander (Twin Commander Aircraft LLC) [Aero Design and Engineering Company; Aero Commander Aircraft; Rockwell; Gulfstream]	560-F, 680, 680E, 680F, 680FL, 680FL(P), 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, 690D, 695, 695A, 695B, 720	2A4	CAR 3	1	Original 5/1/2013	
	500, 500-A, 500-B , 500-S, 500-U, 520, 560, 560-A, 560-E	6A1	CÁR 3	,1 ,	Original 5/1/2013	
	700	A12SW	FAR 23	1	Original 5/1/2013	

Table I: Approved Aircraft WITHOUT GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders Airplane Make * TC Master Drawing Type Certificate **AML** (TCDS Holder) Airplane Model Designation Certification List Revision Notes Number Revision/Date [common name or previous make] Basis (005-00734-04) Revision 2 (Univair Aircraft Corporation) 108, 108-1, 108-2, 108-3, 108-5 A-767 CAR 3 6 08-Mar-2016 [Stinson] DHC-2 Mk. I, DHC-2 Mk. II, CAR 3 Original A-806 1 Viking Air Limited DHC-2 Mk, III **FAR 21** 5/1/2013 (Viking Air Limited) Original [deHavilland Aircraft of Canada; Boeing of DHC-3 A-815 CAR 3 i 5/1/2013 Canada; deHavilland Inc.; Bombardier Inc. DHC-6-1, DHC-6-100, Otter, Twin Otter] Original A9EA CAR 3 1 3 DHC-6-200, DHC-6-300 5/1/2013 P.68, P.68B, P.68C, P.68C-TC, Original AP68TP-300 "Spartacus", A31EU Vulcanair S.p.A. **FAR 23** 1 5/1/2013 AP68TP-600 "Viator" (Vulcanair S.p.A.) [Partenavia Costruzioni Aeronautiche P.68 "OBSERVER", Revision 2 S.p.A.] P.68 "OBSERVER 2", A31EU **FAR 23** 6 08-Mar-2016 P.68TC "OBSERVER", P.68R Vulcan Air S.p.A. Original (Vulcan Air S.p.A.) SF600, SF600A A61EU FAR 23 1 5/1/2013 [Siai Marchetti S.r.l.; Partenavia] WACO Revision 2 YMF ATC 542 AB 7A 6 (The WACO Aircraft Company) 08-Mar-2016 WSK "PZL-MIELEC" OBR (WSK PZL MIELEC and OBR SK **FAR 21** Original PZL M20 03 A68EU 1 MIELEC) **FAR 23** 5/1/2013 [PZL]

Issued: May 1, 2013 Revised: 21-July-2016

<u>Table I</u> : Approved Aircraft <u>WITHOUT</u> GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders						
Airplane Make (TCDS Holder) [common name or previous make] Airplane Model Designation Airplane Model Designation Type Certificate Number Type Certificate Number Basis AML Revision (005-00734-04)						
Zenair (Zenair Ltd.)	CH2000	TA5CH	FAR 23	1	Original 5/1/2013	
ZLIN AIRCRAFT a.s. (ZLIN AIRCRAFT a.s.) [MORAVAN a.s.]	Z-242L, Z-143L	A76EU	FAR 21 FAR 23	1	Original 5/1/2013	

End of Table I - Approved Aircraft <u>WITHOUT</u> GX000 Equipped Flight Deck System for installation of GTX 33/330 or GTX 335/345 Transponders

Table II - G950/G1000 Equipped Aircraft for the GTX 3X5R ONLY

Table II: Approved Aircraft WITH G950/G1000 Equipped Flight Deck System for installation of GTX 335R/345R (remote-mount) Transponders ONLY						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	TC Certification Basis *	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
Beechcraft	A36	3A15	CAR 3	6	Revision 2 08-Mar-2016	4
Beechcraft Corporation) Hawker Beechcraft Corporation;	G36	3A15	CAR 3	6	Revision 2 08-Mar-2016	3,4
Raytheon]	58, G58	3A16	CAR 3 FAR 23	6	Revision 2 08-Mar-2016	3, 4
Costruzioni Aeronautiche Tecnam srl (Costruzioni Aeronautiche Tecnam srl) [Tecnam]	P2006T	A62CE	FAR 23	6	Revision 2 08-Mar-2016	3, 4
Diamond (Diamond Aircraft Industries GmbH)	DA 40, DA 40F, DA 40NG	A47CE	FAR 21 FAR 23	6	Revision 2 08-Mar-2016	3, 4
	DA 42, DA 42NG	A57CE	FAR 21 FAR 23	6	Revision 2 08-Mar-2016	3, 4
Mooney (Mooney International Corporation) (Mooney Aviation Company, Inc.; Mooney Airplane Co; Mooney Aircraft Corporation; Aerostar Aircraft Corp]		2A3	CAR 3 FAR 23	6	Revision 2 08-Mar-2016	3, 4
	PA-28-181	2A13	CAR 3 FAR 23	6	Revision 2 08-Mar-2016	3, 4
	PA-32R-301T, PA-32-301FT	A3SO	CAR 3	6	Revision 2 08-Mar-2016	3, 4
Piper Aircraft, Inc. (Piper Aircraft, Inc.)	PA-34-220T	A7SO	CAR 3 FAR 23	6	Revision 2 08-Mar-2016	3, 4
[The New Piper Aircraft, Inc]	PA-44-180	A19SO	FAR 23	6	Revision 2 08-Mar-2016	3, 4
	PA-46-350P, PA-46R-350T PA-46-500TP	A25SO	FAR 23	6	Revision 2 08-Mar-2016	3, 4

Issued: May 1, 2013 Revised: 21-July-2016

Table II: Approved Aircraft WITH G950/G1000 Equipped Flight Deck System for installation of GTX 335R/345R (remote-mount) Transponders ONLY						
Airplane Make (TCDS Holder) [common name or previous make]	Airplane Model Designation	Type Certificate Number	TC Certification Basis *	Master Drawing List Revision (005-00734-04)	AML Revision/Date	Notes
SOCATA (SOCATA) [SOCATA - Groupe Aerospatiale; EADS SOCATA]	TBM 700	A60EU	FAR 21 FAR 23	6	Revision 2 08-Mar-2016	3, 4
Textron Aviation Inc.	172R, 172S	3A12	CAR 3 FAR 23	6	Revision 2 08-Mar-2016	4
	182S, 182T, T182T	3A13	CAR 3 FAR 23	6	Revision 2 08-Mar-2016	4
(Textron Aviation Inc.) [Cessna Aircraft Company]	206Н, Т206Н	A4CE	CAR 3 FAR 23	6	Revision 2 08-Mar-2016	4
	208 (208A), 208B	A37CE	FAR 23	6	Revision 2 08-Mar-2016	4
Textron Aviation Inc. (Textron Aviation Inc.) (Cessna Aircraft Company; Columbia Aircraft Manufacturing; Lancair]	LC41-550FG, LC42-550FG	A00003SE	FAR 23	6	Revision 3 21-Jul-2016	3, 4
Vulcanair S.p.A. (Vulcanair S.p.A.) [Partenavia Costruzioni Aeronautiche S.p.A.]	P.68, P.68B, P.68C, P.68C-TC, P.68 "OBSERVER", P.68 "OBSERVER 2", P.68TC "OBSERVER", AP68TP-300 "Spartacus"	A31EU	FAR 23	6	Revision 2 08-Mar-2016	4
	AP68TP-600 "Viator", P.68R	A31EU	FAR 23	6	Revision 2 08-Mar-2016	3, 4

End of Table II - Approved Aircraft <u>WITH</u> G950/G1000 Equipped Flight Deck System for installation of GTX 335R/345R (remote-mount) Transponders

Issued: May 1, 2013 Revised: 21-July-2016

Table III - Notes Information

- * TC Certification Basis See Type Certificate Data Sheet applicable to aircraft for complete certification basis.
- Note 1: Only applicable to those aircraft without Collins Pro Line 21 systems installed with a Collins RTU (Radio Tuning Unit).
- Note 2: Aircraft must have optional radio box installed as a prerequisite for the installation of a panel mount GTX 33X.
- Note 3: Aircraft model has 14 CFR 23.1353(h) as part of the certification basis.
- Note 4: Only applicable to those aircraft with Garmin G950/1000 systems (see Equipment List, as called out on the Master Drawing List 005-00734-04 for supported G950/G1000 software versions)

Issued: May 1, 2013 26 of 26

Revised: 21-July-2016

U.S. Department

Form Approved	Electronic Tracking Number
OMB No.2120-0020	Ĭ
11/30/2007	

ppliance)
ndix B, and AC 43.9-1 (or subsequent revision thereof) for S.C. 44701). Failure to report can result in a civil penalty for
Serial No. 1450-159
Model Series
500B
Address (As shown on registration certificate) Address 402 W EVERGREEN City DURANT State OKLAHOMA
Zip 74701 Country UNITED STATES
у
Model Serial No.
(As described in item 1 above)
ment
Agency
ted Mechanic Manufacturer
icated Mechanic C. Certificate No.
epair Station CX2R758K
em 5 above and described on the reverse or attachments f the U.S. Federal Aviation Regulations and that the ge.
Larry R. Nolan 04/21/2009
o Service ed in item 5 was inspected in the manner prescribed by
ROVED REJECTED
ce Organization Person Appoved by Canadian Department of Transport
Authorization Other (Specify)

Larry R. Nolan 04/21/2009

CX2R758K

NOTICE

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

8. Description of Work Accomplished			
(If more space is required, attach addition	nal sheets. Identify with aircra	ft nationality and registration ma	ark and date work completed.)
	N171Z		04/21/2009
	Nationality and Registration N	Mark	Date
	,g		
Validated that the previous installation of approved via FAA-stamped field approvinterfaced equipment are covered under existing location of the unit was determined the existing wiring, shielding, and coax installation data. The existing GA 56 and previsions of the previous installation.	al document on FAA- Form 3 the STC AML. The unit was ned to meet the field-of-view cable was inspected and dete	337 form dated 02/06/2001. Veremoved and replaced with a requirements without the nee rmined to be in accordance were to the control of the c	Verified this aircraft and all new GNS 430W. The d for external annunciation. ith the STC AML
A summary of the modification done in t	he aircraft is as follows:		
Removed a Garmin GS 56 Antenna, P/N S/N 25513. Using the provisions left bel 00357-06 Rev. A and STC no. SA01933	ind from the standard antenn		
Removed a Garmin GNS 430 P/N 011-0 using the provisions left behind from the P/N 190-00357-06 Rev. A and STC no.	standard 430 unit. Installatio		
The GNS 430W was configured identica 430W installation manual P/N 190-0035 aircraft maintenance records.			
Removed the Aircraft Flight Manual Sup B, FAA Approved date December 21, 20			1S P/N 190-00356-63 Rev.
Updated the aircraft equipment list and vertical remains valid since the new unit draws the			rent electrical load analysis
Instructions for Continued Airworthiness GNS 430W- Include Garmin document the aircraft maintenance records.		NS 430W Instructions for Co	ontinued Airworthiness in
Note: These supersede ICAW dada for t	ne previously installed Garmi	n GNS 430.	
*******	****** NOTHING FOL	Lows *********	*****
	•	P. 20	
		ما من الله الله الله الله الله الله الله الل	
	e de la companya de La companya de la co	• •	
		1 f	
	Additional Sheets Are	Attached	



October 3, 2006

RE: STC Permission to use STC SA01695SE for Garmin Antennas

Consistent with Order 8110.4B and AC 21-40, Garmin AT, Inc. grants permission to Garmin dealers, installers, and owners of the Garmin antennas listed in the STC Installation Manual (190-00569-00) to use STC SA01695SE and the data associated with it, for the sole and express purpose of installation and approval of installation of the Garmin antennas listed in the STC Installation Manual (190-00569-00).

John Macnab, General Manager Garmin AT, Inc.

> Germin AT, Inc. 2345 Turner Rd: S-E Salom: OR 97302 P: 1503:581 8101 F: 503 364

			·
			İ
			,

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA01695SE

This certificate, issued to

Garmin AT, Inc. 2345 Turner Road SE Salem, OR 97302

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

Original Product—Type Certificate Number:

*See attached Approved Model List (AML)

Make:

No. SA01695SE for list of approved aircraft

Model:

models and applicable airworthiness regulations.

Description of the Type Design Change. Installation of antenna models identified in the Master Data List in accordance with Garmin Supplemental Type Certificate Master Data List, P/N 005-C0373-00, Revision D, dated August 21, 2006, or later Federal Aviation Administration approved revision.

Limitations and Conditions: Compatibility of this design change with previously approved modifications must be determined by the installer. A copy of this certificate must be maintained as part of the permanent records for the modified aircraft. This STC is for physical installation only. For operational Airworthiness approval refer to data for the interfaced receiving equipment.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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

Date of application.

March 3, 2006

Date reissued:

Date of issuance:

August 31, 2006

Date amended:

February 15, 2007



Acting Manager, Seattle Aircraft

By direction of the Administr

Certification Office

(Title)

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

This certificate may be transferred in accordance with FAR 21.47.

	•				
					•
	,				
			•		
•					

GA Antenna Series Instructions for Continued Airworthiness

STC Number SA01695SE

Document Number 190-00673-01 Rev. F

Garmin Ltd. Or its subsidiaries c/o Garmin International, Inc. 1200 E. 151st Street Olathe, Kansas 66062 USA

Aircraft tail number	<u> </u>
Antenna location on aircraft	122 in

Confidential

This drawing and the specifications contained herein are the property of Garmin Ltd. or its subsidiaries and may not be reproduced or used in whole or in part as the basis for manufacture or sale of products without written permission.

Record of Revision

Rev.	Date	Description of Change			
D	08-21-06	Initial STC Issuance			
Ε	11-29-06	Added GA 35 Antenna			
F	08-27-07	Added GA 36 & GA 37 Antennas			

			,	.
		·		
			•	

	1.	INTROD	UCTION	3
		1.1	Purpose	3
		1.2	Scope	3
		1.3	Document Control	3
		1.4	Airworthiness Limitations Section	3
		1.5	Permission to Use Certain Documents	3
		1.6	Definitions	4
	2.	INSTRUC	CTIONS FOR CONTINUED AIRWORTHINESS	4
		2.1	Introduction	4
		2.2	Description of Alteration	5
		2.3	Control, Operating Information	5
		2.4	Servicing Information	5
		2.5	Periodic Maintenance Instructions	5
		2.6	Troubleshooting Information	5
		2.7	Removal and Replacement Information	
		2.8	Diagrams	5
		2.9	Special Inspection Requirements	5
		2.10	Application of Protective Treatments	
		2.11	Data Relative to Structural Fasteners	
		2.12	Special Tools	
			5	
			Overhaul Period	
		2.15	ICA Revision and Distribution	6
		2.16	Assistance	6
1		2.17	Implementation and Record Keeping	7

				,
				•
		·		
·				

1. INTRODUCTION

1.1 Purpose

This document is designed for use by the installing agency of the antenna models listed in Table 1 below as Instructions for Continued Airworthiness in response to Federal Aviation regulation (FAR) Part 23.1529, and Part 23 Appendix G. They include information required by the operator to adequately maintain the antenna models listed in Table 1.

1.2 Scope

This document identifies the Instruction for Continued Airworthiness for the modification of the aircraft for installation of the antenna models listed in Table 1

Table 1 - List of Antenna Models

Manufacturer	Antenna Model	Description
Garmin	GA 35	GPS/WAAS Antenna .
Garmin	GA 36	GPS/WAAS Antenna
Garmin	GA 37	GPS/WAAS with XM Antenna
Garmin	GA 55	XM Antenna
Garmin	GA 55A	XM Antenna
Garmin	GA 56W	GPS/WAAS Antenna
Garmin	GA 56A	GPS/WAAS Antenna
Garmin	GA 57	GPS/WAAS with XM Antenna
Garmin AT	A-34	GPS/WAAS Antenna

1.3 Document Control

This document shall be released, archived, and controlled in accordance with Garmin document control system. When this document is revised, refer to Section 2.15 for information on how to gain FAA acceptance or approval and how to notify customers of changes.

1.4 Airworthiness Limitations Section

There are no additional Airworthiness Limitations as defined in 14 CFR § 23, Appendix G. G23.4 that result from this modification. The Airworthiness Limitations section is FAA approved and specifies maintenance required under §§43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

1.5 Permission to Use Certain Documents

Permission is granted to any corporation or person applying for approval of the antenna models listed in Table 1 to use and reference appropriate STC documents to accomplish the Instructions for Continued Airworthiness and show compliance with STC engineering data. This permission does not construe suitability of the documents. It is the responsibility of the applicant to determine the suitability of the documents for the ICA.

					,	•
					·	
			•			
				N.		

1.6 Definitions

The following terminology is used within this document:

- 1) AC: Advisory Circular
- 2) ACO: Aircraft Certification Office
- 3) AEG: Aircraft Evaluation Group
- 4) CFR: Code of Federal Regulations
- 5) DER: Designated Engineering Representative
- 6) FAA: Federal Aviation Administration
- 7) IAW: In Accordance With
- 8) ICA: Instructions for Continued Airworthiness
- 9) MFD: Multi-Function Display unit
- 10) PMI: Primary Manufacturing Inspector
- 11) POI: Primary Operations Inspector
- 12) STC: Supplemental Type Certificate
- 13) TC: Type Certification or Type Certificate
- 14) TSO: Technical Standard Order

2. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

2.1 Introduction

Content, Scope, Purpose and Arrangement: This document identifies the Instruction for

Continued Airworthiness for the modification of the aircraft by installation of the antenna models listed

in Table 1.

Applicability: Applies to aircraft altered by installation of the

antenna models listed in Table 1.

Definition of Abbreviations: See Section 1.6

Precautions: None

Units of measurement: None

Referenced publications: 190-00569-00 Rev. F STC Antenna Installation

(or later FAA approved revisions)

005-C0373-00 Rev. F Garmin GA Antenna Series

Master Data List

Distribution:

This document should be included in the

permanent aircraft records.

			·
	•		

2.2 Description of Alteration

Physical installation of the antenna models listed in Table 1.

2.3 Control, Operating Information

There are no pilot controls or operating information. All pilot controls and operating information is through the interfaced receiver unit.

2.4 Servicing Information

The antenna models listed in Table 1 are non-repairable. The antenna must be replaced in event of failure.

2.5 Periodic Maintenance Instructions

This STC is for physical installation and mounting of the antenna models listed in Table 1 and does not include functional operation. The antenna models listed in Table 1, when interfaced to other receiving equipment, are functionally tested by the interfaced receiver.

Within 12 calendar months, conduct a visual inspection on the antenna and its mounting.

2.6 Troubleshooting Information

Troubleshooting is performed with the interfaced receiving unit.

2.7 Removal and Replacement Information

If the antenna is removed and replaced, verify proper operation by successfully completion of the self test of the interfaced receiving equipment.

Penetration of the pressure vessel of a pressurized aircraft is not approved under this STC installation.

Note: There are no special handling requirements for the antennas.

2.8 Diagrams

Refer to the STC Antenna Installation Manual (listed under reference documentation in section 2.1 of this document) for drawings applicable to this installation. There are no wiring diagrams since this STC does not provide wiring interconnections. Location of the antenna varies with aircraft and installation, but must mounted with RF transparent view of the sky. Refer to the cover page of this document for the mounting location of the antenna specific to the aircraft tail number.

2.9 Special Inspection Requirements

Verify there are no cracks on the antenna. Verify there are no cracks or deformation in the mounting structure around the antenna. Verify all sealing fillets around the antenna are good condition.

			•
Ļ			
,			
·			
		•	
		•	

2.10 Application of Protective Treatments

None, N/A.

2.11 Data Relative to Structural Fasteners

For fastener torque information, refer to the STC Antenna Installation Manual listed in the reference documentation in section 2.1 of this document.

2.12 Special Tools

No special tools are required. Refer to the STC Antenna Installation Manual listed in reference documentation in section 2.1 of this document.

2.13 Additional Instructions for Aircraft Operating under FAR 121/135

- 1. Aircraft Electrical Loads: There is no power connection to the antenna. The only interface to the antenna is from the receiving equipment. Power loads are addressed with the interfaced receiving equipment.
- 2. Methods of balancing flight controls: N/A.
- 3. Special Repair Methods applicable to the airplane: See certificate holder's General Maintenance Manual for instructions.

2.14 Overhaul Period

This STC is for physical installation and mounting of the antenna(s) and does not include functional operation. The antenna(s) do not require overhaul at a specific time period. Antenna health is monitored and self-test conducted by the interfaced GPS/WAAS and XM receivers.

2.15 ICA Revision and Distribution

To revise this ICA, a letter must be submitted to the ACO for approval along with the revised ICA. The ACO will obtain AEG acceptance, and approve any revision to the Airworthiness Limitations Section 1.4. After FAA acceptance/approval, Garmin will release the revised ICA for customer use, and provide any required notification of the revision.

The latest revision of this document will be available on the Garmin website (www.garmin.com). A Garmin Service Bulletin, describing ICA revision, will be sent to dealers if revision is determined to be significant.

2.16 Assistance

Flight Standards Inspectors or the certificate holder's PMI have the required resources to respond to questions regarding this ICA. In addition, the customer may refer questions regarding this equipment and its installation to the manufacturer, Garmin. Garmin customer assistance may be contacted during normal business hours via telephone 913-397-8200 or email from the Garmin web site at garmin.com.

				•
,				
		•		
•				

2.17 Implementation and Record Keeping

Modification of an aircraft by this Supplemental Type Certificate obligates the aircraft operator to include the maintenance information provided by this document in the operator's aircraft maintenance manual and/or operator's aircraft scheduled maintenance program.

			•
			•
	4		

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT

٥r

SUPPLEMENTAL AIRPLANE FLIGHT MANUAL

for

GARMIN 400W SERIES GPS-WAAS NAVIGATION SYSTEM as installed in

Pero Commandur, 500B Make and Model Airplane

Reg. No. 11717 S/N 1450-159

This document serves as an Airplane Flight Manual Supplement or as a Supplemental Airplane Flight Manual when the aircraft is equipped with the Garmin 400W Series unit. This document must be carried in the airplane at all times when the Garmin 400W Series unit is installed in accordance with STC SA01933LA.

The information contained herein supplements or supersedes the information made available to the operator by the manufacturer in the form of clearly stated placards, markings, or manuals or in the form of an FAA approved Airplane Flight Manual, only in those areas listed herein. For limitations, procedures and performance information not contained in this document, consult the basic placards, markings, or manuals or the basic FAA approved Airplane Flight Manual.

FAA APPROVED

Manager, Flight Test Branch, ANM-160L

Federal Aviation Administration

Los Angeles Aircraft Certification Office

Transport Airplane Directorate

DATE: Nancola 20,1007

190-00356-03 Rev. A Page 1 of 14

				· •
			·	
			·	
*	·			
	·			

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

Rev. No. No. Page Description FAA Approved Complete Supplement Mgr. Flt. Test Br., ANM-1 FAA, Los Angeles ACO Transport Airplane Director		LOG OF REVISIONS	
Original Supplement Mgr. Flt Test Br., ANM-1 FAA, Los Angeles ACO	Rev. No.		······································
Date _1/0 V _ 20 , 20		Supplement Mgr. Flt, Jest Br., FAA, Los Angeles Transport Airplane	ANM-160L s ACO e Directorate

•		
·		

,

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

Table of Contents

SECTION	PAGE
Section 1. GENERAL 1.1 Garmin 400W Series GPS/WAAS Nav Com 1.2 Operation 1.3 Class II Oceanic, Remote, and other Operations: Section 2. LIMITATIONS 2.1 Pilot's Guide 2.2 System Software: 2.3 Navigation Database 2.4 Terrain Database	4 4 5 5 6 6 7 7
2.5 Navigation	7 8 8 9
2.6 Approaches	8
2.7 Autopilot Coupling	9
2.8 Terrain Display 2.9 Weather Display	9.
2.10 Traffic Display	10
Section 3. EMERGENCY PROCEDURES	11
3.1 Emergency Procedures	11
3.2 Abnormal Procedures	11
Section 4. NORMAL PROCEDURES	12
4.1 Approaches with Vertical Guidance	12
4.2 Autopilot Operation	13
4.3 Coupling the Autopilot during approaches	13
4.4 WFDE Prediction Program	14
Section 5. PERFORMANCE	14
Section 6. WEIGHT AND BALANCE	14
9	14

FAA APPROVED

190-00356-03 Rev. A Page 3 of 14

	•	•			•
				-	
	•				
					,
•					
		·			
	,				
• .					

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

Section 1. GENERAL

1.1 Garmin 400W Series GPS/WAAS Nav Com

The Garmin 400W Series GPS/WAAS Navigator is a panel-mounted product that contains a GPS/WAAS receiver for GPS approved primary navigation, under TSO C146a (plus optional VHF Com and VHF Nav radios) in an integrated unit with a moving map and color display. The 400W Series unit features a graphical display which may also be used to depict traffic, weather, or terrain data.

The navigation functions are operated by dedicated keys and graphical menus which are controlled by the buttons and the dual concentric rotary knob along the bottom and right side of the display.

Optional VHF Com and VHF Nav radio functions are controlled via dedicated buttons and knobs on the left side of the display and adjacent to frequencies they are controlling.

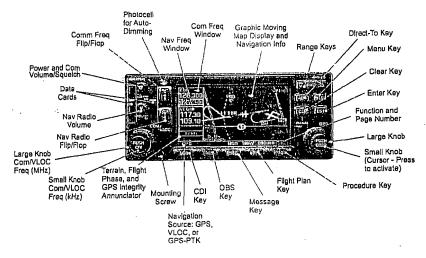


Figure 1 - 400W Series Control and Display Layout

FAA APPROVED

190-00356-03 Rev. A Page 4 of 14

·		•
·		

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

1.2 Operation

GPS/WAAS TSO-C146a Class 3 Operation: The Garmin 400W Series unit, when installed in accordance with STC SA01933LA, uses GPS and WAAS (within the coverage of a Space-Based Augmentation System complying with ICAO Annex 10) for enroute, terminal area, non-precision approach operations (including "GPS", "or GPS", and "RNAV" approaches), and approach procedures with vertical guidance (including "LNAV/VNAV" and "LPV").

Navigation is accomplished using the WGS-84 (NAD-83) coordinate reference datum. GPS navigation data is based upon use of only the Global Positioning System (GPS) operated by the United States of America.

1.3 Class II Oceanic, Remote, and other Operations:

The Garmin 400W Series, as installed, has been found to comply with the requirements for GPS primary means of Class II navigation in oceanic and remote airspace, when used in conjunction with WAAS Garmin Prediction Program part number 006-A0154-03. Oceanic operations are supported when the 400W Series unit annunciates OCN. This provides an alarm limit of four NMI and a mask angle of five degrees. The 400W series unit also has the ability to predict RAIM availability at any waypoint in the database or if WAAS corrections are expected to be absent or disabled. This AFMS does not constitute an operational approval for Oceanic or Remote area operations. Additional equipment installations or operational approvals may be required.

 a) Oceanic navigation requires an additional approved long range oceanic and/or remote area navigation system with independent display, sensors, antenna, and power source. (It may be a second 400W/500W Series unit.)

b) Redundant VHF Com and VHF Nav systems may be required for other than U.S. 14 CFR Part 91 operations. Check foreign regulation requirements as applicable. (It may be a second 400W/500W Series unit.)

c) Operations approval <u>may</u> be granted for the use of the 400W Series unit RAIM prediction function in lieu of the Prediction Program for operators requiring this capability. Refer to your appropriate civil aviation authorities for these authorizations.

FAA APPROVED

190-00356-03 Rev. A Page 5 of 14

				`,
		·		
				•
	·	•		
				•
	,			

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

Section 2. LIMITATIONS

2.1 Pilot's Guide

The GARMIN 400W Series Pilot's Guide, part number and revision listed below (or later revisions), must be immediately available for the flight crew whenever navigation is predicated on the use of the 400W Series unit.

400W Series Pilot's Guide & Reference P/N 190-00356-00 Rev B 400W/500W Series Optional Displays P/N 190-00356-30 Rev B 400W/500W Series Display Interfaces P/N 190-00356-31 Rev B

This AFM supplement does not grant approval for IFR operations to aircraft limited to VFR operations. Additional aircraft systems may be required for IFR operational approval. Systems limited to VFR shall be placarded in close proximity to the 400W Series unit "GPS LIMITED TO VFR USE ONLY".

2.2 System Software:

The system must utilize the Main and GPS software versions listed below (or later FAA approved versions). The software versions are displayed on the self-test page immediately after turn-on for approximately 5 seconds or they can be accessed in the AUX pages.

Subsequent software versions may support different functions. Check the 400W Series Pilot's Guide for further information.

Table 1 - Approved Software Versions

Software Item	Approved Software Version (or later FAA approved versions)				
	SW version	As displayed on unit			
Main SW Version	3.00	3.00			
GPS SW Version	3.0	3.0			

FAA APPROVED

190-00356-03 Rev. A Page 6 of 14

			,
			•
	•		
		· ·	
			•
•	•		
•			
			•

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

2.3 Navigation Database

The 400W Series unit database cards listed in the following table must be installed. (IAW the TSO deviations granted to Garmin for the 400W unit, navigation database cards may not be marked with the part number. The software automatically precludes invalid databases for use by the 400W)

- a) IFR enroute and terminal navigation is prohibited unless the pilot verifies the currency of the database or verifies each selected waypoint for accuracy by reference to current approved data.
- b) GPS instrument approaches using the 400W Series units are prohibited, unless the 400W Series unit's approach data is verified by the pilot or crew to be current. Instrument approaches must be accomplished in accordance with an approved instrument approach procedure that is loaded from the 400W Series unit database.
- c) Installations with dual 400W/500W Series units will only crossfill between units when they contain the same database cycle. Updating of each database must be accomplished on the ground prior to flight.

Table 2 - Approved Navigation Database Cards

	Table 2 - Approved Mavigation Database Cares							
ſ	Part Number	Description						
Ì	010-10546-00	Data Card, IFRW, World Wide						
١	010-10546-01	Data Card, IFRW, Americas						
١	010-10546-02	Data Card, IFRW, International						

2.4 Terrain Database

The 400W Series unit supports Terrain and requires a Terrain database card to be installed in order for the feature to operate. The table below lists compatible database cards for the 400W series. Each of the data base cards contains the following data:

- a) The Terrain Database has an area of coverage from North 75° Latitude to South 60° Latitude in all longitudes.
- b) The Airport Terrain Database has an area of coverage that includes the United States, Canada, Mexico, Latin America, and South America.
- c) The Obstacle Database has an area of coverage that includes the United States, and is updated as frequently as every 56 days.

NOTE: The area of coverage may be modified as additional terrain data sources become available.

FAA APPROVED

190-00356-03 Rev. A Page 7 of 14

	•			•
	4			
			,	
	•			
		•		
,				

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

Table 3 - Approved Terrain Database Cards

Part Number	Description
010-10201-20	Data Card, TAWS / Terrain, 128MB
010-10201-21	Data Card, TAWS / Terrain, 256MB

2.5 Navigation

No navigation is authorized north of 89° (degrees) north latitude or south of 89° (degrees) south latitude.

2.6 Approaches

- a) During GPS approaches, the pilot must verify the 400W Series unit is operating in the approach mode. (LNAV, LNAV+V, L/VNAV, or LPV)
- b) When conducting approaches referenced to true North, the heading selection on the AUX pages must be adjusted to TRUE.
- c) Accomplishment of an ILS, LOC, LOC-BC, LDA, SDF, MLS, VOR approach, or any other type of approach not approved for GPS overlay, is not authorized with GPS navigation guidance.
- d) Use of the GNS 430W VOR/LOC/GS receiver to fly approaches not approved for GPS requires VOR/LOC/GS navigation data to be present on the external indicator (i.e. proper CDI source selection).
- e) For aircraft with remote source selection annunciation or remote GPS navigation annunciations installed, conducting IFR approaches is prohibited if the remote annunciation is found to be inoperative during pre-flight. (This limitation does not prohibit the conduct of an IFR approach if the required remote annunciation fails during flight. The indications provided on the 400W Series unit display may be used as a backup).
- f) Except in emergency conditions, IFR approaches are prohibited whenever any physical or visual obstruction (such as a throw-over yoke) restricts pilot view or access to the 400W Series unit or the affected CDI.

FAA APPROVED

190-00356-03 Rev. A Page 8 of 14

		,	
		•	
•			
	•		

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

2.7 Autopilot Coupling IFR installations of a Garmin 400W Series unit allow the operator to fly all phases of flight based on the navigation information presented to the pilot; however, not all modes may be coupled to the autopilot. All autopilots may be coupled in Oceanic (OCN), Enroute (ENR), and Terminal (TERM) modes; however, the FAA requires that vertical coupling of an autopilot for approaches be demonstrated to meet their intended function and provide safe and proper operation to published minimums. This installation is limited to:

No limitations for autopilot coupling.
Lateral GPS coupling (LNAV only). For 430W units: The GS of an
ILS (VLOC) may be coupled to the autopilot without any limitations.

This limitation may be removed after an FAA Flight Test demonstration. Contact Garmin International, Tech Support for additional information.

2.8 Terrain Display

Terrain refers to the display of terrain information. Pilots are NOT authorized to deviate from their current ATC clearance to comply with terrain/obstacle alerts. Terrain unit alerts are advisory only and are not equivalent to warnings provided by TAWS. Navigation must not be predicated upon the use of the terrain display.

The terrain display is intended to serve as a situational awareness tool only. By itself, it may not provide either the accuracy or the fidelity on which to base decisions and plan maneuvers to avoid terrain or obstacles.

2.9 VNAV

VNAV information may be utilized for advisory information only. Use of VNAV information for Instrument Approach Procedures does not guarantee Step-Down Fix altitude protection, or arrival at approach minimums in a normal position to land.

2.10 Weather Display

If an optional weather receiver is interfaced to the 400W Series unit, the weather information displayed is limited to supplemental use only and may not be used in lieu of an official weather data source.

FAA APPROVED

190-00356-03 Rev. A Page 9 of 14

				•		,
						•
•						
		•				
		•	4			
		•				
			*			
	•					
			•			
						•

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

2.11 Traffic Display

Traffic may be displayed on the 400W Series unit when connected to an approved optional TCAS, TAS, or TIS traffic device. These systems are capable of providing traffic monitoring and alerting to the pilot. Traffic shown on the display may or may not have traffic alerting available. The display of traffic is an aid to visual acquisition and may not be utilized for aircraft maneuvering. Display of this traffic data and related operations are described in the 400W Series unit Pilot's Guide.

FAA APPROVED

190-00356-03 Rev. A Page 10 of 14

		1	,
			•
•			
·			
,			
		ι	
	,		
•			
•			
·			
	•		
	•		

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

Section 3. EMERGENCY PROCEDURES

3.1 Emergency Procedures No change.

3.2 Abnormal Procedures

- a) If the Garmin 400W Series unit GPS navigation information is not available, or is invalid, utilize other remaining operational navigation equipment installed in the airplane as appropriate. If the 400W Series unit loses GPS position and reverts to Dead Reckoning mode (indicated by the annunciation of "DR" in the lower left of the display), the moving map will continue to be displayed. Aircraft position will be based upon the last valid GPS position and estimated by Dead Reckoning methods. Changes in airspeed or winds aloft can affect the estimated position substantially. Dead Reckoning is only available in Enroute mode; Terminal and Approach modes do not support DR.
- b) If a "Loss of Integrity" (INTEG) message is displayed during:

 Enroute/Terminal: continue to navigate using GPS equipment and
 periodically cross-check the GPS guidance to other approved
 means of navigation.
 - GPS Approach: GPS approaches are not authorized under INTEG Execute missed approach or revert to alternate navigation.
- c) During a GPS LPV precision approach or GPS LNAV/VNAV approach, the 400W Series unit will downgrade the approach if the Vertical alarm limits are exceeded. This will cause the vertical guidance to flag as unavailable. The procedure may be continued using the LNAV only minimums.
- d) During any GPS approach in which precision and non-precision alarm limits are exceeded, the 400W Series unit will flag the lateral guidance and generate a system message "ABORT APPROACH loss of navigation". Immediately upon viewing the message the unit will revert to Terminal alarm limits. If the position integrity is within these limits lateral guidance will be restored and the GPS may be used to execute the missed approach, otherwise alternate means of navigation should be utilized.

FAA APPROVED

190-00356-03 Rev. A Page 11 of 14

			·	
·				

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

Section 4. NORMAL PROCEDURES

Refer to the 400W Series unit Pilot's Guide defined in paragraph 2.1 on page 6 of this document for normal operating procedures. This includes all GPS operations, VHF COM and NAV, and Multi-Function Display information. For information on TIS traffic, or data linked weather see the Pilot's Guide addendum for optional displays. For information on active traffic sensor or Stormscope operation and displays see the Pilot's Guide addendum for display interfaces.

Although intuitive and user friendly the 400W Series unit requires a reasonable degree of familiarity to prevent operations without becoming too engrossed at the expense of basic instrument flying in IMC and basic see-and-avoid in VMC. Pilot workload will be higher for pilots with limited familiarity in using the unit in an IFR environment, particularly without the autopilot engaged. Garmin provides excellent training tools with the Pilot's Guide and PC based simulator. Pilots should take full advantage of these training tools to enhance system familiarization. Use of an autopilot is strongly encouraged when using the 400W Series unit in IMC conditions

4.1 Approaches with Vertical Guidance

The 400W Series unit supports three types of GPS approaches with vertical guidance: LPV approaches, LNAV/VNAV (annunciated as L/VNAV) approaches, and LNAV approaches with advisory vertical guidance (annunciated as LNAV+V). For LNAV approaches with advisory vertical guidance, the 400W Series will annunciate LNAV+V indicating vertical guidance is available. LNAV minimums will be controlling in this case.

NOTE:

If flying an LPV or LNAV/VNAV approach, be prepared to fly the LNAV only approach prior to reaching the final approach fix (FAF). If the GPS integrity is not within vertical approach limits, the system will flag the vertical guidance. This may be annunciated by a downgrade to LNAV message.

For additional information on approaches with vertical guidance refer to the 400W Series unit Pilot's Guide.

FAA APPROVED

190-00356-03 Rev. A Page 12 of 14

		·	
			•
	•		
·			
•			
		•	

GARMIN Ltd. or its subsidiaries c/o Garmin International 1200 E. 151st Street, Olathe, KS 66062 USA

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

4.2 Autopilot Operation

The Garmin 400W Series may be coupled to an optional autopilot if installed in the aircraft when operating as prescribed in the LIMITATIONS section of this manual. For lateral guidance, some installations may utilize GPSS or GPS Roll Steering in lieu of the analog deviation information. If an HSI is used with GPSS engaged, the pilot should rotate the course pointer as prompted on the 400W Series unit to prevent loss of situational awareness and to prevent the aircraft from turning inappropriately if the autopilot is switched from digital (GPSS) to analog mode. For autopilot operational instructions, refer to the FAA approved Flight Manual or Flight Manual Supplement for the autopilot.

4.3 Coupling the Autopilot during approaches

The Garmin 400W Series supports analog and digital (GPSS) control interfaces to an optionally installed autopilot. Some autopilots revert to ROLL mode (wings level) and/or flag a NAV failure if the digital data becomes unavailable or is inhibited. The CDI selection of VLOC should inhibit the digital control interface. When switching between GPS and VLOC the pilot should be aware that the autopilot may need to be reengaged into APR or NAV mode after changing the CDI source.

Autopilot coupling to GPS vertical guidance requires that the autopilot be engaged in an analog APR mode identical to coupling to an ILS. Some autopilots may revert to ROLL mode when the navigation outputs of the 400W Series unit sequence to the final approach fix. In these installations the unit will be configured to PROMPT the pilot to "Enable the autopilot approach outputs" in order to prevent the autopilot from entering ROLL mode without the pilot being aware of the transition.

mod	de without the pilot being aware of the transition.
	This installation prompts the pilot and requires the pilot to enable the A/P outputs just prior to engaging the autopilot in APR mode.
	This installation supports a seamless transition from digital (GPSS) to analog guidance for the autopilot. To capture the vertical guidance, the pilot may engage the autopilot in APR mode at any time when the GPS Glide Slope (VDI) becomes valid (displayed without a FLAG).
	This installation interfaces to the autopilot in analog mode only. To capture the vertical guidance, the pilot may engage the autopilot in APF mode at any time when the GPS Glide Slope (VDI) becomes valid.
	The autopilot does not support any vertical capture or tracking in this installation.

FAA APPROVED

190-00356-03 Rev. A Page 13 of 14

DATE: November 20, 2007

					•
					•
,					
			•		
	•				
	•				
				•	
				,	
			a.		

GARMIN Ltd. or its subsidiaries c/o Garmin International 1200 E. 151st Street, Olathe, KS 66062 USA

AIRPLANE FLIGHT MANUAL SUPPLEMENT or SUPPLEMENTAL AIRPLANE FLIGHT MANUAL for a Garmin 400W Series Navigation System

Analog only autopilots should use APR mode for coupling to LNAV approaches. Autopilots which support digital roll steering commands (GPSS) may utilize NAV mode and take advantage of the digital tracking during LNAV only approaches.

4.4 WFDE Prediction Program

The Garmin WAAS Fault Detection and Exclusion (WFDE) Prediction Program is required for Remote/Oceanic operations.

The Prediction Program should be used in conjunction with the Garmin 400W/500W Simulator. After entering the intended route of flight in the Simulator flight plan the pilot selects the FDE Prediction Program under the Options menu of the Simulator program.

For detailed information refer to the WFDE prediction program instructions (190-00643-01). The availability of FDE is only required for Oceanic or Remote operations.

Section 5. PERFORMANCE

No change.

Section 6. WEIGHT AND BALANCE

See current weight and balance data.

Section 7. SYSTEM DESCRIPTIONS

See Garmin 400W Series unit Pilot's Guide for a complete description of the 400W Series unit.

FAA APPROVED

DATE: November 20, 2007

190-00356-03 Rev. A Page 14 of 14

·		



February 22, 2007

Subject:

STC Permission to use STC SA01933LA for

Garmin Model 400W / 500W Series GPS-WAAS Navigation System

Consistent with Order 8110.4B and AC 21-40, Garmin AT, Inc. grants permission to Garmin dealers, installers, and owners of the Garmin Model 400W / 500W Series GPS-WAAS Navigation System to use STC SA01933LA and the data associated with it, for the sole and express purpose of installation and approval of the installation of the Garmin Model 400W / 500W Series GPS-WAAS Navigation System, and associated interfaces to other previously approved equipment.

John Macnab General Manager Garmin AT, Inc.

N. Carlotte		
	•	

United States Of America

Department of Cransportation - Federal Abiation Administration

Supplemental Type Certificate

Number SA01933LA

This Certificate issued to

Garmin AT, Inc. 2345 Turner Road S.E. Salem, Oregon 97302

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

Original Broduct Type Certificate Number:

* See attached Approved Model List (AML)

Mbake:

No. SA01933LA for list of approved aircraft

Abodel .

Models and applicable airworthiness regulations.

Description of Type Design

Elange: Installation of 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 "B", dated October 1, 2007, or later FAA approved revision; or FAA Approved Garmin 500W Series Master Data List, Drawing No.: 005-C0221-01, Revision "B", dated October 1, 2007, or later FAA approved revision. Use applicable FAA approved 400W Series Airplane Flight Manual Supplement, document No. 190-00356-03, Rev. "Original", dated November 20, 2007 or later FAA approved revision; FAA Approved 500W Series Airplane Flight Manual Supplement document No. 190-00357-03, Rev. "Original", dated November 20, 2007 or later FAA approved revision; or FAA Approved Airplane Flight Manual Supplement as defined in Master Data List 005-C0221-00 or 005-C0221-01 defined above.

Eimilations and Conditions: This approval should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previous approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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

Date of application: January 31, 2006

Dala missuad

Wate of issuance:

November 6, 2006

Tate amended: November 20, 2007

By direction of the Administrator

Project Manager, Systems & Equipment Branch.

Los Angeles Aircraft Certification Office

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

400W Series Instructions for Continued Airworthiness

Document Number 190-00356-65 Rev. A

Garmin Ltd. Or its subsidiaries c/o Garmin International, Inc. 1200 E. 151st Street Olathe, Kansas 66062 USA

Record of Revision

Rev.	Date	Description of Change
.1	10-19-06	Initial Release
Α	11-03-06	Revision for STC Issuance

			, 4
			·
			•
		·	
·			

1.	INTROD	UCTION	3
	1.1	PURPOSE	3
	1.2	Scope	3
	1.3	Document Control	3
	1.4	Airworthiness Limitations Section	. 3
	1.5	Permission to Use Certain Documents	. 3
	1.6	Definitions	. 3
2.	INSTRU	CTIONS FOR CONTINUED AIRWORTHINESS	. 4
	2.1	Introduction	. 4
	2.2	Description of Alteration	. 4
	2.3	Control, Operating Information	. 4
	2.4	Servicing Information	. 5
	2.5	Periodic Maintenance Instructions	. 5
	2.6	Troubleshooting Information	. 5
	2.7	Removal and Replacement Information	. 6
	2.8	Diagrams	. 6
	2.9	Special Inspection Requirements	
	2.10	Application of Protective Treatments	. 6
	2.11	Data Relative to Structural Fasteners	. 6
	2.12	Special Tools	. 7
	2.13	Additional Instructions	. 7
	2.14	Overhaul Period	. 7
	2.15	ICA Revision and Distribution	. 7
	2.16	Assistance	. 7
	2 17	Implementation and Record Kooping	-,

				•
				4
	•			
				•
			·	
		•		
	•			
	·			
•				

1. INTRODUCTION

1.1 PURPOSE

This document is designed for use by the installing agency of the Garmin Model 400W Series GPS/WAAS Nav/Com as Instructions for Continued Airworthiness in response to Federal Aviation regulation (FAR) Part 23.1529, and Part 23 Appendix G. The ICA includes information required by the operator to adequately maintain the Garmin Models 400W series installed under Approved Model List (AML) STC SA01933LA.

1.2 Scope

This document identifies the Instruction for Continued Airworthiness for the modification of the aircraft for installation of the Garmin Models 400W series GPS/WAAS Nav/Com installed under Approved Model List (AML) STC SA01933LA.

1.3 Document Control

This document shall be released, archived, and controlled in accordance with the Garmin document control system. When this document is revised, refer to Section 2.15 for information on how to gain FAA acceptance or approval and how to notify customers of changes.

1.4 Airworthiness Limitations Section

There are no additional Airworthiness Limitations as defined in 14 CFR § 23, Appendix G. G23.4 that result from this modification. The Airworthiness Limitations section is FAA approved and specifies maintenance required under §§43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

1.5 Permission to Use Certain Documents

Permission is granted to any corporation or person applying for approval of a Garmin Model 400W Series to use and reference appropriate STC documents to accomplish the Instructions for Continued Airworthiness and show compliance with STC engineering data. This permission does not construe suitability of the documents. It is the responsibility of the applicant to determine the suitability of the documents for the ICA.

1.6 Definitions

The following terminology is used within this document:

- 1) AC: Advisory Circular
- 2) ACO: Aircraft Certification Office
- 3) AEG: Aircraft Evaluation Group
- 4) CFR: Code of Federal Regulations
- 5) DER: Designated Engineering Representative
- 6) FAA: Federal Aviation Administration

						•	
			•			•	,
						,	+
		• •					
•	•						
			•				

7) IAW: In Accordance With

8) ICA: Instructions for Continued Airworthiness

9) MFD: Multi-Function Display unit

10) PMI: Primary Manufacturing Inspector

11) POI: Primary Operations Inspector

12) STC: Supplemental Type Certificate

13) TC: Type Certification or Type Certificate

14) TSO: Technical Standard Order

2. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

2.1 Introduction

Content, Scope, Purpose and Arrangement: This document identifies the Instructions for

Continued Airworthiness for the modification of the aircraft by installation of the Garmin Models 400W

Series GPS/WAAS Nav/Com.

Applicability: Applies to aircraft altered by installation of the

Garmin Model 400W Series GPS/WAAS Nav/Com.

Definition of Abbreviations: See Section 1.6

Precautions: None

Units of measurement: None

Referenced publications: 190-00356-02 Rev. A 400W Series Installation

Manual

(or later FAA approved revisions)

005-C0221-00 Rev. A 400W Series STC Master

Data List

Retention: This document, or the information contained within, will be included in the aircraft's permanent records.

2.2 Description of Alteration

The Garmin Model 400W Series GPS/WAAS Nav/Com unit is a 6 ¼ inch wide panel mounted unit with all the interface connections behind the instrument panel. Installation of the Garmin Model 400W Series GPS/WAAS Nav/Com system interfaces, specific for the aircraft installation, is documented in the GNS 400W Series Post-Installation Checkout Log that is retained as part of the aircraft's permanent records. The 400W Series units combine a large number of easily acceptable controls to use the color multifunction display, Nav and Com transceiver, GPS/WAAS navigator in a single unit.

2.3 Control, Operating Information

See the 400W Series Installation Manual, listed under the reference documentation in paragraph 2.1 of this document, for system operation and self-test information.

400W Series
Instructions for Continued Airworthiness

P/N 190-00356-65 Rev.A Page 4 of 7

2.4 Servicing Information

None. In the event of system failure, return the unit to the manufacturer or an approved Garmin repair station.

2.5 Periodic Maintenance Instructions

The 400W Series units are designed to detect internal failure. A thorough self-test is executed automatically upon application of power to the units, and built-in test is continuously executed. Detected errors are indicated on the equipment via failure annunciations and maintenance is on-condition.

Operation of the 400W Series unit is not permitted unless an inspection as described in this section has been completed within the preceding 12 calendar months. Conduct a visual inspection on the 400W series unit and its wire harness to insure installation integrity:

- 1. Inspect the unit for security of attachment.
- 2. Inspect all knobs and buttons for legibility.
- 3. Inspect condition of wiring, routing and attachment/clamping.

2.5.1 Cleaning the Front Panel

The front bezel, keypad, and display can be cleaned with a soft cotton cloth dampened with clean water. DO NOT use any chemical-cleaning agents. Care should be taken to avoid scratching the surface of the display.

2.5.2 Display Backlight

The display backlight lamp is rated by the manufacturer as having a usable life of 20,000 hours. This life may be more or less than the rated time depending on the operating conditions of the 400W series unit. Over time, the backlight lamp may dim and the display may not perform as well in direct sunlight conditions. The user must determine by observation when the display brightness is not suitable for its intended use. Contact the Garmin factory repair station when the backlight lamp requires service.

2.5.3 Battery Replacement

The 400W series has an internal keep-alive battery that will last about 10 years. The battery is used for GPS system information. Regular planned replacement is not necessary. The 400W series will display a 'low battery' message when replacement is required. Once the low battery message is displayed, the battery should be replaced within 1 to 2 months.

If the battery is not replaced and becomes totally discharged, the 400W series unit will remain fully operational, but the GPS signal acquisition time may be increased. This acquisition time can be reduced by entering a new seed position each time the unit is powered on. There is no loss of function or accuracy of the 400W series unit with a dead battery.

The battery must be replaced by the Garmin factory repair station or factory authorized repair station.

2.6 Troubleshooting Information

If error indications are displayed on the 400W series unit, consult the Troubleshooting section contained in the 400W Series Installation Manual, listed under reference documentation in paragraph 2.1 of this

		4
•		

document. The '400W Series Post-Installation Checkout Log' in the aircraft permanent records includes the configuration information for the installation. (See Section 5 in the 400W Series Installation Manual for a sample Log).

2.7 Removal and Replacement Information

If the 400W series unit is removed and reinstalled, verify that the 400W series unit power-up self-test sequence is successfully completed and no failure messages are annunciated.

If the 400W series unit is removed for repair and reinstalled, or if the 400W unit is removed and replaced with a different 400W series unit, then follow 'Post Installation Configuration & Checkout Procedures' procedures contained in the 400W Series Installation Manual listed in paragraph 2.1 of this document, and verify the 400W unit power-up self-test sequence is successfully completed and no failure messages are annunciated.

If any work has been done on the aircraft that could affect the system wiring, antenna cable, or any interconnected equipment, verify the 400W series unit power-up self-test sequence is successfully completed and no failure messages are annunciated.

To remove the 400W series unit from the mounting rack, insert a 3/32-inch hex drive tool into the access hole at the bottom of the unit face. Rotate the hex tool counterclockwise until the unit is forced out about 3/8 inches and can be freely pulled from the rack.

The 400W unit is installed in the rack by sliding it straight in until it stops, about 1 inch short of the final position. Insert the hex drive tool into the access hole at the bottom of the unit face. Rotate the hex tool clockwise while pressing on the left side of the bezel until the unit is firmly seated in the rack.

Note: There are no special handling requirements for the 400W series units.

2.8 Diagrams

Refer to the 400W Series Installation Manual (listed under reference documentation in section 2.1 of this document) for drawings applicable to this installation. Point to point wiring diagrams are in Appendix H of the 400W Series Installation Manual. Refer to the GNS 400W Series Post-Installation Checkout Log retained in the aircraft permanent for a list of the interfaced equipment. The antenna cables are routed between the 400W series unit and the antenna with disconnects at each unit. The antenna cable typically is routed behind interior panels in the fuselage.

2.9 Special Inspection Requirements

None, N/A.

2.10 Application of Protective Treatments

None, N/A.

2.11 Data Relative to Structural Fasteners

None, N/A.

			_			, q
				·		
	•					
				* a		
					·	

2.12 Special Tools

No special tools are required for system checkout. See 400W Series Installation Manual listed in reference documentation in section 2.1 of this document.

2.13 Additional Instructions

None

2.14 Overhaul Period

The system does not require overhaul at a specific time period. Power on self-test and continuous BIT will monitor the health of the 400W series unit. If the unit indicates an internal failure, the unit may be removed and replaced. See troubleshooting section contained in the 400W Series Installation Manual, listed under reference documentation in paragraph 2.1 of this document.

2.15 ICA Revision and Distribution

To revise this ICA, a letter must be submitted to the ACO along with the revised ICA. The ACO will obtain AEG acceptance, and approve any revision to the Airworthiness Limitations Section 1.4. After FAA acceptance/approval, Garmin will release the revised ICA for customer use, and provide any required notification of the revision.

The latest revision of this document will be available on the Garmin website (www.garmin.com). A Garmin Service Bulletin, describing ICA revision, will be sent to dealers if revision is determined to be significant.

2.16 Assistance

Flight Standards Inspectors or the certificate holder's PMI have the required resources to respond to questions regarding this ICA. In addition, the customer may refer questions regarding this equipment and its installation to the manufacturer, Garmin. Garmin customer assistance may be contacted during normal business hours via telephone 913-397-8200 or email from the Garmin web site at www.garmin.com.

2.17 Implementation and Record Keeping

Modification of an aircraft by this Supplemental Type Certificate obligates the aircraft operator to include the maintenance information provided by this document in the operator's aircraft maintenance manual and/or the operator's aircraft scheduled maintenance program.

·				
	·			
		C		
,			ò	
		·		



US Department of Transportation **Federal Aviation** Administration

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

Form	Арр	roval
OMB	No.	2120-0020

For FAA Use Only

Office Identification NM-FSDO-09

INSTRUCTIONS:	Print or type all ent	ries. See FAR 43.9, FAI law (49 U.S.C. 1421). F	R 43 Appen ailure to rep	dix B, and AC 43.9-1 (or subseq port can result in a civil penalt	juent revision thereof) for y not to exceed \$1,000 fo	instructio r each su	ns and disp Ich violation	(Section				
901 Federal Avia												
	Make			Model								
	Aero Con	nmander		500B								
1. Aircraft	Serial No.				Nationality and Registration Mark							
	1450-159			N171Z	N171Z							
		n on registration certificat	e)	Address (As shown on registration certificate)								
	1 '	tes Dept. of Agric										
2. Owner	United Sta	ies Depi. of Agrici	illuic	Boise, ID 83705								
				Boise, ID	83703 å							
				or FAA Use Only	dhinasa			· · · · · · · · · · · · · · · · · · ·				
		The data identifie	g nerein coi is annmve	mplies with the applicable airwood only for the above described a	ircraft.							
		subject to conform	nity_inspect	on by a person authorized in F	AR 43.7.							
		-		187								
		Date: <u>02/03/200</u>	2	Inspector: John S. Fisher NM FSDO 0	9							
		A I	Init Identifi				5. Type					
	T	4. (
Unit		Make		Model	Serial No.		Repair	Alteration				
			L				ļ					
AIRFRAME	~-	والم الموادية	~ (As desci	ibed in item 1 above) ~~~~~	من الما الما الما الما الما الما الما ال		ļ	×				
			т									
POWERPLANT							<u>.</u> .					
POWERITEART			, ,									
PROPELLER	4.14		***			mr.						
	Type		1					,				
	1		i .)					
APPLIANCE	Manufacturer		1	•								
	<u> </u>			formity Statement								
A. Agency's Nar	ne and Address		B. K	ind of Agency			tificate No.					
Leading Edge	Avionics. Inc.			U.S. Certificated Mechanic	:_	QLDR5	//K & 2, Limit	ad Padio				
63342 Powell			×	Foreign Certificated Mechan Certificated Repair Station	IC		ent, Airfran					
Bend. Oregon	97701		1~	Manufacturer Manufacturer		Powerp	-					
D I certify tha	t the repair and/	or alteration made to	the unit(s) identified in item 4 above	and described on th	e rever	se or atta	chments				
hereto have b	een made in acco	ordance with the requ	irements c	of Part 43 of the U.S. Feder	al Aviation regulation:	s and th	at the info	ormation				
	n is true and corr	rect to the best of my	knowledg	e.								
Date 01/14/20	06		Sigi	nature of Authorized Individual								
01/14/20	05		_ \	male 34								
]			LASH	ے iam Dolf Repairman #2464679	,							
				I for Return To Service								
Pursuant to the	authority given	persons specified bel	ow, the ur	nit identified in item 4 was i	nspected in the mann	er preso	ribed by	the				
Administrator of	f the Federal Avi	ation Administration	and is	⊠APPROVED	REJECTED							
	Fit. Standards) =	Other (Specify)							
Inspe		Manufacturer	Inspection	on Authorization								
			Person A	Approved by Transport								
FAA	Designee	Repair Station	Canada	Airworthiness Group			<u> </u>					
Date of Approval of	r Rejection	Certificate or	Signatur	e of Authorized Individual	*****		• •					
2/3	i	Designation No.	/	vied to								
1 210	25	OLDR577K	William	Oolf Repairman #2464679	***							

NOTICE

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

8.	(If more					ional sh	eets. Id	dentify ai	ircraft nai	tionality a	nd registi	ration ma	irk and d	ate work	completed	!)		
Systaviant The data Rec 110, through Ins. Mains	stems So onics but e electric ed <u>Febra</u> v. 4. Dat 58; Secti 11-135 u 22, 24 structions intenance tallation	65-828 uss via cal load uary 3, ted 05/ ion 7, thru 1 thru 27 s for C ce of the	eam Fl 22-101 Potter d was 2005. 13/200 11-11 1-139 7 and 6 continual we WFS	(FAA-Brumf compute Equipment of the Computer o	ystems -PMA) field Wated and ment in AC43. Tu 11-8 on 11, r 3, par worthing is 'Caccorda) antenny 31-X2 d does installed .13-1B 89; Sec 11-14 ragraph iness: On Corance w	2010B na utili 2M1G- not ex- d in ac 3 Section 8 Section 6 thru h 38.	izing ex-5 circu ceed 80 coordand on 3, 11 5, 11-96 11-147 a' only.	ver Trar kisting e uit break 9% of fu ce with 1-30 thr thru 11 7; Section	nsmitter external of the labeled and the label	doubler ed "Trace ity. Insteam Fli ; Section 1-105 th 1-155 th tion of a	ting aft at FS 2: cker". A alled Fl ight Sysion 5, 11- hru 11- any of ti	equipm 31. Inte mended ight Ma tems ins- -66 thru 107; Se 159; AC	rfaced V d weight unual Su stallation 111-69; ction 9, C43.13-2	f at FS 2. VFS-201: and bala pplement manual Section 11-115 t 2A Chapt bed com	0b with ance/equit for WF p/n# WI 6, 11-11 thru 11-ter 2, pa		ist. B c, stion 21 post
	·						~		*END*						~		- · · ·	•
							ž.									1	erica With L Kay William Kay William	
تسميد																		
								سده الم	liking at Cl	neets Are	•							

U.S Department of Transportation	0020 FAA Use Only												
Federal Aviation			e erene			ler, or Ap		-NM-09	e Identification				
and dispos	TONS: Print or type all entri- ition of this form. This report ich violation (Section 901 Fe	t is required b	y law (49 U					sion thereof) for instr	ructions				
1 Almonata	Make Aero	Con	IMAN	de	eR.	Model	500	\mathcal{B}	;				
1. Aircraft	Serial No.	0-1				Nationality and Registration Mark N 1 7 1 Z							
2. Owner	Name (As shown on reg V.S. Dep. Agricultu	distration cent ARTME VNC FO	ilicate), ENT O CREST	F SE	Address (As shown on registration certificate) 3833 S. Development Auc BOISE, ID 83705								
				3	. For FAA	Use Only							
	-								E Type				
			T	4	. Unit Iden	uncation	· · · · · · · · · · · · · · · · · · ·		5. Type				
Unit	Make				Model	•	Seri	al No.	Repair	Alteration			
AIRFRAME	~~~~~		~~(As de	scrit	bed in iten	n 1 above)~-		ny no no no no	·	X			
POWERPLANT													
PROPELLER	A Table				\$ - 1		Made to the second	•					
APPLIANCE	Type Manufacturer	Agriculturion			estatu u pape u ustre			and the second s	1'Сжи				
				6.	. Conformi	y Statement							
	ame and Address		·		ind of Agend	·		C. Certificate No.					
693	LES W. GU 35 HAWKSFI BRS, OR	470N 19H+ U 9775			Foreign Ce	cated Mechani rtificated Mech I Repair Statlor rer	nanic	APZZ IZ	019	<u> </u>			
have be	hat the repair and/or alteration en made in accordance with strue and correct to the best	the requirem	ents of Parl	entifie t 43 c	ed in item 4 a of the U.S. F	above and desc ederal Aviation	cribed on the revers Regulations and th	e or attachments he at the information fu	reto irnished				
Date	3-18-03	7 ;			Signature of	of Authorized In	dividual	Sofo	· ·				
			7	. Ap	proval for F	Return to Servi	СӨ						
	the authority given persons s r of the Federal Aviation Adr				fied in item o	4 was inspected REJECTED		scribed by the					
	FAA Fit Standards nspector	Manufacture	· ,	X	Inspection	Authorization	, .	Other (Specify)					
F	AA Designee	Repair Statio	on T			proved by Trans worthiness Gro							

Date of Approval or Rejection

Certificate or Designation No.
AP2212019IA

NOTICE

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

8. Description of Work Accomplish (If more space is required, attach	hed: additional sheets. Identify with a			mot self to testification in the works completed.
INSTALL	EO AIR CEI	NTER IN	C. ALTER	NATOR
	IAW STC			
Jyster A	Al AMMENDE	d. POH	AMMENDE	d,
Placards	installed			,
PIACAICUS	, wo my led			
		ENO -		`
			وودار المسادات الموجاء المسادل فالمستحرك والمستحرك والمس	
		•		
	•			
•	•	4		
·				•
4				11.00
	The control of the co			
· · · · · · · · · · · · · · · · · · ·		:		en e
			•	
		# 3 		
		, 		
		•		
		•		
The second of th	Company of the Compan	0	No. 9 - And An Harris Silan other notes . No	भू र व्यविद्याल विश्व है । १६ १ । १९४५ विश्व विद्यालया है । १५ व्यवस्थित होसी
• ,	Charto Amilla 1	this is the gentless.	Same Super	र्टामकेश्वरी शिक्षाचेत्रको रामक्ष्मकारा
•	Additional S	Sheets Are Attached	give the second	54

US Department of Transportation
Endonel Autotion

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

	Form Approved
	OMB No. 2120-0020
	For FAA Use Only
٠.	Office Identification
	NM-09 MO

Administration

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 for e	dispositi each such	on of this form. h violation (Sec	This report is requirection 901 Federal Avia	d by law tion Act	(49 U t-of,-19	J.S.C. 1421). Fa 958). Mas 11	ilure to re	port can result in a	civil`penal	ity not to exc	ed \$1,000
; 1		Maka	eo COMM				Model		<u></u>		
1. Airc	craft	Serial No.	1450-1.				National	ity and Registratio	n Mark		- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-
2. Ow	ner	U5 D	own on registration ce LEPART MENT HURE FOREST	of		Address (As shown on registration certificate) 3833 S. Development Ave					
					3. F	or FAA Use Or	nly				
	-		· · · · · · · · · · · · · · · · · · ·								
					4. U	Init Identificati	on			5. Type	
U	nit		Make			Model		Serial No		Repair	Alteration
AIRFR/	AME	***	(As desc	ribea	l in Item 1 abov	(B) •••••	************			
POWEF	RPLANT										
PROPE	LLER										
APPLIA	NCE	Type Manufacturer									
				6		nformity States			T = = -		
	1 har	35 HA	iss V. Guyton WKS Flight DR 97159	Or.	B.	U.S. Certificated Mechanic				3212019	
D. I	certify th	nat the repair an n made in acco	nd/or alteration made or rdance with the requi and correct to the bes	to the un rements	of Pa	art 43 of the U.	m 4 above S. Federa	and described on t I Aviation Regulati	he reverse ons and th	or attachme nat the inform	nts hereto nation
Date		3-18	-63	-	Signature of Authorized Individual						
						al for Return To					
Purs Adm	suant to ninistrato	the authority g r of the Federa	given persons specific I Aviation Administrat	ed below	w, the	unit identifie	d in item D 🗆 F	REJECTED	n the man	ner prescrib	ed by the
вү		Flt. Standards ector	Manufacturer	X	Insp	ection Authoriz	ation	Other (Specify)			
	FAA	Designee	Repair Station		Can	on Approved by ada Airworthine	ss Group				
Date o		al or Rejection	Certificate or Designation No.	(OT-4		nature of Autho	1	ividual W. Lang			
	ا ت	10 00	AP221201	ATA	<u>L</u> .,	y The	un	w. Las	10>	<u>~</u>	<u></u>

NOTICE

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

	4				
8.	Description of Work Accomplished (If more space is required, attach ad		Section 1 sectors in	有关性 化氯酚酚医氯苯酚酚	
	INSTALLE.	O Split	Nose B	Powl on Te	ff
	AND RIGHT				
	INC. STO	2 5A0179	OAT.	·	
	NO Weight	+ Change		·	
	,, ,	. , _ ,			
	The same of the sa		END -	maria de la compansión de	
٠		•			
٠. ح	<u></u>	العاملية المستراكية المعتقد ال المعتاد المعتاد المعتقد		tr	ويست مهر وهم المحمد
		·			
	,	·			
		☐ Additional Sh	neets Are Attached		

US Department

Form Approved OMR No. 2120-0020

				OR REP					. L		For FAA Use	Only		
US Depa	rtment	(Airfr	am	ie, Power	rplant, P	rop	eller, o	r Appliance	e) Of	Office Identification				
of Transp		`		,	• ′	-	•				/	14.5		
Federal										NIX	HFSDO-09 //	92		
Adminis	ICTION	C: Print or tune of	ll en	tries See FA	PARO FARA	13 Apr	endix R a	nd AC 43.9-1 (or si	ibsequent rev	ision 1	thereof) for inst	ructions and		
dispositi	on of thi	s form. This repo	ort is	required by l	aw (49 U.S.C	. 1421). Failure t	o report can result	in a civil pena	alty no	t to exceed \$1,	000 for each		
such vio	lation (S	ection 901 Feder	al A	viation Act of	1958).		<u></u>							
	1	Make					Model							
1. Aircr	aft	Aero C	omr	nander				500B						
		Serial No.					Na	ionality and Regis	tration Mark	Mark				
		1450-1						N171Z						
		Name (As shown				Address (As shown on registration certificate)								
2. Own	er		•	tment of Ag	griculture	3833 S Development Ave.								
		Forest	Se	rvice			Boise, ID 83705							
								<u> </u>						
			•••				'AA Use O	nly						
requirem	ents and	dinerein-complies- is approved only fo	or the	e above descrit	bed aircraft,	, -		ه استند در در						
subject t	o conform	nity inspection by	a per	son authorized	d in FAR 43.7.									
Date: 03	1/29/2002	inspe Jack	ctor: M. S	wensen NM F	SDO 09									
		525.1												
				4.1	Unit identific	ation		-			5. Type			
		1			1	Model	*	1						
Uı	Unit Make							Sen	al No.		Repair	Alteration		
AIRFR	AME													
		-			~ (As describe	ed in I	d in Item 1 above) ~~~~~~~ XX							
		 	<u></u>		T			1	•					
POWER	PLANT					-	• .	· •••••	•					
]-	• •••		·]. · ·						
PROPE	LLER	 			1			 						
								·						
		Туре			i									
APPLIA	INCE	Manufacturer			ł									
		Manufacturer												
		.·!		_	6. C	onfor	mity State	nent						
A. Agen	cy's Nan	ne and Address					ind of Age			C. C	Certificate No.			
Leading	Edge A	vionics, Inc.					U.S. Cert	ificated Mechanic		QLI	DR577K			
•	_	Butte Hwy.					Foreign (Certificated Mechan	nic	Rad	io 1 & 2, Limit	ed Radio,		
	Oregon 9					X	Certifica	ed Repair Station		Insti	rument, Airfran	ne		
							Manufac			Pow	erplant, Other			
D. I cert	ify that tl	ne repair and/or a	ltera	tion made to	the unit(s) ide	ntified	in item 4 a	bove and describe	d on the rever	se or a	ttachments her	eto have		
					Part 43 of the I	J.S. F	ederal Avia	tion Regulations as	nd that the inf	ormat	ion furnished h	erein is true		
	ect to the	best of my know	vledg	<u>;e.</u>		Sign	oture of A	thorized Individua	1					
Date						Sign	latille of At	illionzeu iliuividua	1					
03	/28/02					ر ا	no							
	, 20, 02								- D					
								Repairman #24646	79					
							r Return (11 2 2 2			
				-				4 was inspected in	the manner p	rescrit	bed by the Adm	unistrator of		
the Federal Aviation Administration and is APPR FAA Flt. Standards Manufacturer								REJECTED	Other	Special	5,1			
BY				Manufactur	C1	insp	ection Aut	IOIIZAUOII	Outer	specij	<i>y)</i>			
BY Inspector X Repair Station						Pers	on Approv	ed by Transport	 					
[L		_	Can	ada Airwoi	thiness Group						
Date of	Approval	or Rejection		Certificate of		Sign	nature of Au	thorised Individus	l ·					
	ازاك	റച		Designation			wate		= 0					
4/1/02 Designation No. QLDR577K							iam Dolf	Repairman 24646	79			•		

NOTICE

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

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and	l date work completed.)
Removed Sigma-Tek 4000B Directional Gyro from co-pilots panel. Relocated ALT-55_Radar Altimolocation vacated by 4000B. Relocated S-TEC ST-360 Altitude Preselect and installed Ryan 9900BX location vacated by ALT-55 indicator. Installed 9900BX Processor on existing aft avionics equipment antenna at station 66.2 and lower TCAD antenna at station 52 in accordance with DER 8110-3 dated Processor with 9900BX Display, Top/Bottom TCAD antennas via EMTEQ matched antennas cables 70 Transponder, KEA-130A Encoding Altimeter, GNS-430 Nav/Com/GPS (2 ea), Hobbs Meter Airs System (2 ea) and Nose Gear Down Lock Switch.	eter Indicator from pilots panel to K TCAD Display/Controller in in the shelf. Installed top TCAD display/2002. Interfaced 9900BX s, existing KDM-706A DME, KT-
Equipment installed in accordance with Ryan installation manual p/n# 32-2351, Rev. 2, dated 7/26/2 Rev. J, dated 2/2001; Aircom p/n# ACS1278-300-USFS, Rev 2.6; Bendix/King p/n# 006-00177-00 00673-0002, Rev 2, dated 7/97; p/n# 006-00193-0002, Rev 2, dated 5/88; p/n# 006-00667-0000, Re 500B Maint. Manual page 10-27, Fig. 10-9. The electrical load was computed and does not exceed 8 installation is a follow on approval based on Ryan STC# SA1763GL in a Cessna 414A. Installed Fli 9900BX dated 03/29/2002. Amended weight and balance/equipment list. Logbook entry made. Installativorthiness: Upon reinstallation of any of the above described components perform post installativorthiness with above referenced installation manuals as revised	104, Rev 4, dated 10/93; p/n# 006- v. 0, dated 1/89; Commander sow of full capacity. TCAD ght Manual Supplement for ructions for Continued on functional tests in accordance
· · · · · · · · · · · · · · · · · · ·	
Additional Sheets Are Attached	



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

Form Approved

OMB No. 2120-0020

Office Identification

Section Authority	of Trans	•									· .	NM-FSDO-09	1/42				
INSTRUCTIONS: Print or type all entrees. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) pff instructions and disposition of this form. This report is required by law (9 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 90 Federal Aviation Act of 1955). American	Adminis	etration															
Aero Commander Serial No. 1450-159 Name (As shown on registration certificate) US Deportment of Agriculture Forest Service 3. For FAA Use Only The data identified here in compiles with the applicable in recording the street of the data in accordance with the requirements of Part 43 of the Us. Certificated Rechanic Installed A. Agency's Name and Address B. Kind of Agency PROPELLER A. Agency's Name and Address B. Kind of Agency A. Agency's Name and Address B. Kind of Agency C. Certificate No. US. Certificated Mechanic A. Agency's Name and Address B. Kind of Agency C. Certificated Mechanic J. Certificated Mechanic A. Agency's Name and Address B. Kind of Agency C. Certificated Mechanic J. Certificated Deciny J. Agrency S. Agrency S. Agrency S. Agrency S. Agrency S. Agr	INSTRI disposit	UCTIO	his form. This repo	ort is	required by la	aw (49 U	AR 4 J.S.C.	3 App 1421)	endix B, and). Failure to	AC 43.9-1 (or subsection of the subsection of the AC 43.9-1 (or subsection of the AC 43.9-1).	quent revi	sion thereof) for lty not to exceed	nstructions and \$1,000 for each				
A Aero Commander Serial No. 1450-159 Nationality and Registration Mark N171/2 Name (As shown on registration certificate) Standards Serial No. Repair Alteration Alteration Serial No. Repair Alteration Serial No. Repair Alteration Serial No. Repair Alteration Serial No. Repair Alteration Serial No. Serial	Such vic	Olation		шА	riation Act of	1730).			Mod	el							
Nationality and Registration Mark Nationality and Registration Mark NITIZ	1. Airci	raft		omn	nander				1								
Name (As shown on registration certificate) Service Salay Sevelopment Ave.			Serial No.	Serial No.						Nationality and Registration Mark							
Unit identification I Type A. Agency's Name and Address Leading Edge Avionics, Inc. Say 342 Powell Butter Haw. Proper Lier A. Agency's Name and Address Leading Edge Avionics, Inc. Say 342 Powell Butter Haw. Deen Group Type A. Agency's Name and Address Leading Edge Avionics, Inc. Say 342 Powell Butter Haw. Deen Group Type A. Agency's Name and Address Leading Edge Avionics, Inc. Say 342 Powell Butter Haw. Deen Group Type A. Agency's Name and Address Leading Edge Avionics, Inc. Say 342 Powell Butter Haw. Deen Group Type Deen Group Type Seed of Creating that the repair and of the unitify 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 of Repairmant #2464679 7. Approval for Return to Service William Dolf Repairmant #2464679 7. Approval for Return to Service FAA FIR. Standards Manufacturer Description Signature of Authorization Other (Specify) Date of Approval or Rejection Centificate or Signature of Authorization Date of Approval or Rejection Centificate or Signature of Authorization Date of Approval or Rejection Centificate or Signature of Authorization Date of Approval or Rejection Centificate or Signature of Authorization Date of Approval or Rejection Centificate or Signature of Authorization Canada Airworthiness Group Signature of Authorization Date of Approval or Rejection Centificate or Signature of Authorization Canada Airworthiness Group Signature of Authorization Canada Airworthiness Group Signature of Authorization Canada Airworthiness Group Signature of Authorization Centificate or Signature of Authorization Canada Airworthiness Group Signature of Authorization Canada Airworthiness Group Signature of Authorization Centificate or Signature of Authorization Canada Airworthiness Group					egistration cer	rtificate)			Addı	ess (As shown on regi	istration o	ertificate)					
Forest Service 3. For FAA Use Only The data identified havein complies with me applicable arrestitioners subject to conformity inspection by a person authorized in FAR 43.7. Date: 03/28/2002 4. Unit identification 5. Type Unit Make Model Serial No. Repair Alteration AIRFRAME (As described in Item 1 above) APPLIANCE Type Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency Leading Edge Avionics, Inc. 63342 Powell Butte Hwy. Energy Cregory 97701 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. Pederal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. Date of 3/28/02 T. Approval for Return to Service William Dolf Repairmant #2464679 7. Approval for Return to Service William Dolf Repairmant #2464679 7. Approval for Return to Service William Dolf Repairmant #2464679 7. Approval for Return to Service FAA Fit. Standards Manufacturer Inspection Authorization Other (Specify) FAA Designe X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Signature of Authorized Endividual Date of Approval or Rejection Certificate or Signature of Authorized Individual Date of Approval or Repairs (Continued or Signature of Authorized Individual Date of Approval or Repairs (Continued or Signature of Authorized Individual Date of Approval or Repairs (Continued or Signature of Authorized Individual Date of Approval or Repeiction Certificate or Signature of Authorized Individual Date of Approval or Repeiction Certificate or Signature of Authorized Individual Date of Approval or Repeiction Certificate or Signature of Authorized Individual	2. Own	ier															
Tage state identified herein compiles with the applicable aircentiblesses requirements and is approved only for the above described shreaft, subject to conformity inspection by a person authorized in FAR 43.7. Date: 03/29/2002 Inspector Jack M. Swapen NM FSDD 09			Forest	Ser	vice												
A. Agency's Name and Address B. Kind of Agency A. Hourist described 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. Leading Edge Avionics, Inc. Sa342 Powell Burte Hwy. Dend, Oregon 97701 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. Pederal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. Date O3/28/02 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED Reson Approved by Transport Canada Ainvorthiness Group Date of Approval or Rejection Designation No. Designation No. Designation No. Signature of Authorized Individual Ocharch Sarabase Individual Ocharch Sarabase Individual Other (Specify) Designation No. Designation No.							3.	For F	'AA Use On	ly							
A. Unit identification	requiren subject	nents ar to confo	id is approved only formity inspection by a	or the aper ctor:	above describ	oed aircra	ift.										
Unit Make Model Serial No. Repair Alteration AIRFRAME (As described in Item 1 above) XX POWERPLANT PROPELLER APPLIANCE Type Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency C. Certificate No. Leading Edge Avionics, Inc. 6.3342 Powell Butte Hwy. Foreign Certificated Mechanic Radio 1 & 2, Limited Radio, Instrument, Airframe Powerplant, Other 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 O3/28/O2 T. 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 Manufacturer Inspector FAA FIL Standards Manufacturer Inspector REJECTED Date of Approval or Rejection Certificate or Designation No. Designature Authorized Individual Date of Approval or Rejection Certificate or Signature Cauthorized Individual Date of Approval or Rejection Certificate or Signature Cauthorized Individual Date of Approval or Rejection Certificate or Signature Cauthorized Individual																	
ARREAME (As described in Item 1 above) Type Appliance Manufacturer A. Agency's Name and Address B. Kind of Agency Leading Edge Avionics, Inc. Joseph Greign Certificated Mechanic Foreign Certificated Mechanic Radio 1 & 2, Limited Radio, Instrument, Airframe Powerplant, Other D. I certify that the repair and/or alteration made to the unit(e) 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 O3/28/02 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED Other (Specify) Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No. Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Signature of Authorized Individual Odition (Specify)					4. (Jnit ider	itifica	tion		· · · · · · · · · · · · · · · · · · ·		5. Type					
PROPELLER A Agency's Name and Address A Agency's Name and Address B. Kind of Agency C. Certificate No. Leading Edge Avionics, Inc. 3342 Powell Burthe Hwy. Dend, Oregon 97701 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 O3/28/02 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED FAA Fit. Standards Manufacturer Inspection Other (Specify) Date of Approval or Rejection Designation No. Designation No. Signature of Authorized Individual Other (Specify) Other (Specify) Other (Specify)			M	lake			N	/lodel		Serial N	0.	Repair	Alteration				
PROPELLER A. Agency's Name and Address B. Kind of Agency C. Certificate No. Leading Edge Avionics, Inc. B. Kind of Agency C. Certificate No. Leading Edge Avionics, Inc. C. Sadde Powell Butte Hwy. C. Certificated Mechanic Foreign Certificated Mechanic Nend, Oregon 9770! C. Certificated Repair Station C. Cer	AIRFR	AME	_			- (As des	cribe	d in It	tem 1 above)		•		xx				
APPLIANCE Type	POWE	RPLAN	п				-	,									
A Agency's Name and Address A. Agency's Name and Address B. Kind of Agency U.S. Certificated Mechanic Foreign Certificated Mechanic Radio 1 & 2, Limited Radio, Instrument, Airframe Powerplant, Other 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 earn dearn 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 O3/28/O2 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED BY FAA Fit. Standards Manufacturer Inspector FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No. Signature of Authorized Individual O3/28/O2 Date of Approval or Rejection Certificate or Designation No. Signature of Approval or Rejection Certificate or Designation No.	PROPE	LLER			. 												
6. Conformity Statement A. Agency's Name and Address B. Kind of Agency C. Certificate No. QLDR577K 63342 Powell Butte Hwy. Bend, Oregon 97701 C. Certificated Mechanic Foreign Certificated Mechanic Namufacturer Powerplant, Other 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 O3/28/02 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED FAA Flt. Standards Inspector FAA Designee X. Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Signature of Authorized Individual O3/28/02 Date of Approval or Rejection Certificate or Signature of Authorized Individual O3/28/02 Date of Approval or Rejection Certificate or Signature of Authorized Individual O3/28/02	APPLI/	ANCE															
A. Agency's Name and Address Leading Edge Avionics, Inc. 63342 Powell Butte Hwy. Bend, Oregon 97701 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 O3/28/02 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED FAA Flt. Standards Inspector FAA Plt. Standards Inspector FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.			Manufacturer														
Leading Edge Avionics, Inc. 63342 Powell Butte Hwy. Send, Oregon 97701 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 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED FAA Fit. Standards Manufacturer Inspection Authorization Other (Specify) Date of Approval or Rejection Certificate or Designation No. Signature of Authorized Individual Other (Specify) Other (Specify)							6. Co	onfor	mity Statem	ent							
Foreign Certificated Mechanic Radio 1 & 2, Limited Radio, Instrument, Airframe 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 O3/28/02 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED FAA Flt. Standards Inspector FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.	A. Ager	ncy's N	ame and Address					B. K					o				
Nanufacturer Nanufacturer Powerplant, Other	Leading Edge Avionics, Inc.							1		•							
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 O3/28/02 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED FAA Flt. Standards Manufacturer Inspection Authorization Other (Specify) Date of Approval or Rejection Certificate or Designation No. Signature of Authorized Individual Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.	63342	Powel	l Butte Hwy.								-						
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 O3/28/02 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED FAA Flt. Standards Inspector Inspector FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.	Bend, (Oregoi	1 97701					Х				નં ં					
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 O3/28/02 William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED FAA Flt. Standards Inspector FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No. Signature of Authorized Individual Person Approved Individual Designation No.																	
Signature of Authorized Individual William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED FAA Flt. Standards Manufacturer Inspection Authorization Other (Specify) FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.	been ma	ade in a	ccordance with the	requ	irements of P	art 43 of	the U	J.S. Fe	ederal Aviati	on Regulations and th	at the info	ormation furnishe	d herein is true				
William Dolf Repairman #2464679 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED FAA Flt. Standards Manufacturer Inspection Authorization Other (Specify) FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.	Date							Sign	ature of Aut	norized Individual		-					
7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED FAA Flt. Standards Manufacturer Inspection Authorization Other (Specify) FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.	03	03/28/02 Male						:									
7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED FAA Flt. Standards Manufacturer Inspection Authorization Other (Specify) FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.								Will	liam Dolf R	epairman #2464679							
the Federal Aviation Administration and is APPROVED REJECTED FAA Flt. Standards Manufacturer Inspection Authorization Other (Specify) FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.						7. A	ppro	val fo	r Return to	Service							
FAA Flt. Standards Manufacturer Inspection Authorization Other (Specify) BY Inspector FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No.											nanner pr	escribed by the A	dministrator of				
FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group Date of Approval or Rejection Certificate or Designation No. Signature of Authorised Individual	BY	FA	AA Flt. Standards								Other (Specify)					
Date of Approval or Rejection Certificate or Signature of Authorized Individual Designation No.				Х	Repair Stati	on		1 '' ' '									
	Date of	Аррго	/al or Rejection		ĺ			Sign	ature of Aut	norised Individual							

NOTICE

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

8. Description of Work Accomplished

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

03/28/02 N171Z 03/28/02

Removed Sigma-Tek 4000B Directional Gyro from co-pilots panel. Relocated ALT-55 Radar Altimeter Indicator from pilots panel to location vacated by 4000B. Relocated S-TEC ST-360 Altitude Preselect and installed Ryan 9900BX TCAD Display/Controller in location vacated by ALT-55 indicator. Installed 9900BX Processor on existing aft avionics equipment shelf. Installed top TCAD antenna at station 66.2 and lower TCAD antenna at station 52 in accordance with DER 8110-3 dated 03/29/2002. Interfaced 9900BX Processor with 9900BX Display, Top/Bottom TCAD antennas via EMTEQ matched antennas cables, existing KDM-706A DME, KT-70 Transponder, KEA-130A Encoding Altimeter, GNS-430 Nav/Com/GPS (2 ea), Hobbs Meter Airspeed Switch, ACS-1278 Audio System (2 ea) and Nose Gear Down Lock Switch.

Equipment installed in accordance with Ryan installation manual p/n# 32-2351, Rev. 2, dated 7/26/2001; Garmin p/n# 190-0140-02 Rev. J, dated 2/2001; Aircom p/n# ACS1278-300-USFS, Rev 2.6; Bendix/King p/n# 006-00177-0004, Rev 4, dated 10/93; p/n# 006-00673-0002, Rev 2, dated 7/97; p/n# 006-00193-0002, Rev 2, dated 5/88; p/n# 006-00667-0000, Rev. 0, dated 1/89; Commander 500B Maint. Manual page 10-27, Fig. 10-9. The electrical load was computed and does not exceed 80% of full capacity. TCAD installation is a follow on approval based on Ryan STC# SA1763GL in a Cessna 414A. Installed Flight Manual Supplement for 9900BX dated 03/29/2002. Amended weight and balance/equipment list. Logbook entry made. Instructions for Continued Airworthiness: Upon reinstallation of any of the above described components perform post installation functional tests in accordance

with above referenced installation manuals as revised..... ****** END ************** Additional Sheets Are Attached

	a
U.S. Depa of Transpo	rtment ortation
Federal A	viation

FAA Form 337 (12-88)

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

Form Approved OMB No.2120-0020

For FAA Use Only

A Agency's Name and Address A Agency's Name and Address B. Kind of Agency G. Conformity Statement 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/ Signature of Authorized Individual 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 PAPPROVED. Pursuant to the authority given persons specified below, the unit Identified in item 4 was inspected in the manner prescribed by TAA PROVED. Pursuant to the authority given persons specified below, the unit Identified in item 4 was inspected in the manner prescribed by TAA PROVED. Pursuant to the authority given persons specified below, the unit Identified in item 4 was inspected in the manner prescribed by TAA PROVED. Proved 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 TAA PROVED. REJECTED REJECTED Other (Specify) REJECTED Other (Specify)	Federal Aviation Administration		arrianie, royye			•	,	,	1		dentification	
Alerant Alerant Alerant And Commander Solo-B Serial No. 1450-159 2. Owner Name (As shown on registration certificate) US Dept. of Agriculture 3. For FAA Use Only The data identified herein compiles with the applicable airworthiness requirements and is approved only for the above described sircerif, subject to conformity inspection by a person authorized in FAA 43-Section 43.7 Type John R. Cliart A. Unit Identification A. Unit Identification A. Unit Identification A. Unit Identification A. Gescribed in item 1 above) PROPELLER A. Agency's Name and Address B. Kind of Agency A. Agency's Name and Address B. Kind of Agency C. Certificate No. Repair Altera A. Agency's Name and Address B. Kind of Agency C. Certificate No. CRS# 09IR003Y Foreign Cartificated Mechanic CRS# 09IR003Y To perform the the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments information furnished herein is true and correct to the best of my invalidation and is the purposed in the manner prescribed by the Administrator of the Federal Aviation Administration and is Manufacturer Pursuant to the authority given persons specified below, the unit definitied in item 4 was inspected in the manner prescribed by Text 60 of the Manufacturer Inspector Approval for Return To Service Pursuant to the authority given persons specified below, the unit definitied in item 4 was inspected in the manner prescribed by Text 60 of the Manufacturer Inspector Inspector Inspector Amountacturer Inspector Inspect	INSTRUCTION instructions and exceed \$1,000	IS: Print or type d disposition of the for each such vi	all entries. See FAnis form. This repo olation (Section 90	AR 43.9, I ort is requi 1 Federal	AF ired	43 Appendix B, by law (49 U.S. iation Act of 195	, and C. 14	AC 43.9- 121). Fail	1 (or subse ure to repor	quent re t can re	vision thereosult in a civil	f) for cenalty not
1450-159 Name (As shown on registration certificate) US Dept. of Agriculture Name (As shown on registration certificate) Address (As shown on registration certificate) S333 S. Development Ave. Boise, ID 83705		Make					Mod					
3. For FAA Use Only The data identified herein complies with the applicable alrevolthness requirements and is approved only for the above described alricraft, subject to conformity inspection by a person authorized in FAR 43-3-ection 43. The above described alricraft, subject to conformity inspection by a person authorized in FAR 43-3-ection 43. The above described in inspector inspector inspector John R. Clark Inspector John R. Clark Model Serial No. Repair Alteral AIRFRAME Model Serial No. Repair Alteral AIRFRAME (As described in item 1 above) X POWERPLANT FROPELLER A. Agency's Name and Address B. Kind of Agency C. Certificate No. Lus. Certificated Mechanic Certificate Cert		1								Mark		
The data identified herein complies with the applicable ainvorthiness requirements and is approved only for the above described aircard, subject to conformity inspection by a person authorized in FAR 43 cection 43.7 to the above described aircard, subject to conformity inspection by a person authorized in FAR 43 cection 43.7 to the authority given persons specified below, the unit dentification Inspect of Make Inspect of Model Serial No. Repair Alterated Model Serial No. Repair Alterated Model (As described in item 1 above) X POWERPLANT Type Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency C. Certificate No. A. Agency's Name and Address B. Kind of Agency C. Certificate No. A. Agency's Name and Address B. Kind of Agency C. Certificate No. A. Certificated Mechanic X Certificated Repair Station D. I certify that the repair and/or alteration made to the unit(s) identified in tiem 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 knowledgy of the property of the Administration and is a proposed in the manner prescribed by Repair Station Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by Repair Station and is a proposed for the proposed of the pr	2. Owner					Address (As shown on registration certificate) 3833 S. Development Ave.						
the above described aircraft, subject to conformity inspection by a person authorized in FAR 43-Section 43.7. John R. Clark NM-FSDO-09 Jeff Griffo 4. Unit Identification Sorial No. Repair Alteral AIRFRAME (As described in item 1 above) X AIRFRAME (As described in item 1 above) Type Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency C. Certificate No. Aero Air LLC 2050 NE 25th Ave. Hillsboro, OR 97124 Error Griffo 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 here to have been made in accordance with the requirements of Part 43 of they U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledged T. Approval for Return To Service Pursuant to the authority given persons specified below, the unit Ligentified in item 4 was inspected in the manner prescribed by Revision Authorisation and is APPROVED The Administrator of the Federal Aviation Administration and is APPROVED The Administrator of the Federal Aviation Administration and is APPROVED The Administrator of the Federal Aviation Administration and is APPROVED The Administration for Certificate or Designation No. Signature of Junesport Canada Approval or Rejection Certificate or Designation No. Signature of Junesport Canada Approval or Rejection Certificate or Designation No. Signature of Junesport Canada Approval or Rejection Certificate or Designation No. Signature of Junesport Canada Approval or Rejection Certificate or Designation No. Signature of Junesport Canada Approval or Rejection Certificate or Designation No. Signature of Junesport Canada Approval or Rejection Certificate or Designation No. Signature of Junesport Canada Approval or Rejection Certificate or Designation No. Signature of Junesport Canada Approval or Rejection				3.	Fo	r FAA Use Only	,					
Unit Make Model Serial No. Repair Alteral Alter	th	e above describe	d aircraft, subject to	conformit	y in: Johi	spection by a person of the spection by a person of the specific of the specif	equire son a	uthorized	in FAR 43	Section 4	marted w	, in humac
AIRFRAME (As described in item 1 above) Type APPLIANCE Manufacturer A. Agency's Name and Address B. Kind of Agency C. Certificate No. Acro Air LLC 2020 NE 25th Ave. Foreign Certificated Mechanic X Certificated Mechanic X Certificated Mechanic X Certificated Mechanic X Certificated Repair Station 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/ Signature of Authorized Individual T. Approval for Return To Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved in the manner prescribed by REJECTED The Approval or Rejection Parson Approved Individual City (Specify) The Approval or Rejection Certificate or Designation No. Signature of Authorized Individual Other (Specify) City (Specify)				it identif	ica	tion —————					5. T	уре
POWERPLANT PROPELLER	Unit	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	//ake			Model			Serial No.		Repair	Alteration
FROPELLER Type Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency C. Certificate No. Agency's Name and Address B. Kind of Agency C. Certificate No. CRS# 09IR003Y Foreign Certificated Mechanic X. Certificated Mechanic X. Certificated Mechanic X. Certificated Repair Station 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/ ate 25-01 7. Approval for Return To Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by APPROVED REJECTED Other (Specify) FAA Designee X. Repair Station Person Approval or Rejection Certificate or Designation No. Signature of Authorized Individual	AIRFRAME		·	As descril	bed	in item 1 above))				х	
A. Agency's Name and Address B. Kind of Agency U.S. Certificated Mechanic CRS# 09IR003Y Foreign Certificated Mechanic	POWERPLANT											
A. Agency's Name and Address B. Kind of Agency C. Certificate No. U.S. Certificated Mechanic CRS# 09IR003Y Foreign Certificated Mechanic X Certificated Repair Station 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/ ate 25-01 7. Approval for Return To Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED FAA Fit. Standards Inspector Manufacturer Inspection Authorization Other (Specify) FAA Designee X Repair Station Person Approved of Tansport Canada/Avyprthipss Group Certificate or Designation No. Signature of Authorized Individual	PROPELLER											
A Agency's Name and Address B. Kind of Agency C. Certificate No. Aero Air LLC 2050 NE 25th Ave.	APPLIANCE											
A Agency's Name and Address B. Kind of Agency C. Certificate No. Aero Air LLC 2050 NE 25th Ave.	·			6. Co	nfo	rmitv Statemen	t l		·			
U.S. Certificated Mechanic CRS# 09IR003Y	A. Agency's Nar	me and Address			I					C. Ce	ertificate No	
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. Signature of Authorized Individual D. Gutman 7. Approval for Return To Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED FAA Fit. Standards Manufacturer Inspection Authorization Other (Specify) FAA Designee X Repair Station Person Approved by Tansport Canada/Airworthings Group Attention Approval or Rejection Certificate or Designation No. Signature of Authorized Individual	Aero Air LLC 2050 NE 25th Ave Hillsboro, OR 97	3. 124			x	Foreign Certificate Certificated Repai	d Med	chanic	CRS# 09IR003Y			
7. Approval for Return To Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED FAA Fit. Standards Inspector Inspection Authorization FAA Designee X Repair Station Person Approved by Tansport Canada/Arworthings Group The of Approval or Rejection Certificate or Designation No. Signature of Authorized Individual	information fu	ne repair and/or a been made in acc mished herein is	alteration made to cordance with the r s true and correct to	the unit(s equireme the best) ide	entified in item 4	abov U.S.	e and de Federal	scribed on t Aviation Re	the reve gulation	rse or attachi is and that the	ments
7. Approval for Return To Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED FAA Fit. Standards Inspector Inspector Approved by Transport Canada/Airwort/Inspector Canada/Airwor)ate i-25-01			Sigi	natı			vidual				Gutmann
FAA Fit. Standards Inspector Inspection Authorization Other (Specify) FAA Designee X Repair Station Person Approved by Transport Canada/Airworthings Group Attention Of Approval or Rejection Certificate or Designation No. Signature of Authorized Individual	Durananta	41	7.	Approv	al f	or Return To Se	rvice	е				
FAA Pit. Standards Manufacturer Inspection Authorization Other (Specify)	the Adminis	trator of the Fed	en persons specific eral Aviation Admir	ed below, nistration	the and	unit identified in is APPROVE	item D	1 4 was in	spected in	the mar	nner prescribe	ed by
Certificate or Designation No. Signature of Authorized Individual	3Y Inspect	i. Standards or	Manufacturer			Inspection Aut	hgriz		-			
Certificate or Designation No. Signature of Authorized Individual			Tropan cadon			Person Appoved A Canada Airworthir	y Tai	nsport Froup				
A Form 337 (12-88)	1 1		Certificate or Desig	nation No.			Jutho		ividual			

	_		-	
N	$\boldsymbol{\cap}$	33	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.

8. Description of Work Accomplished

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

Engine Mount Hole Enlargement

Machined engine mount (P/N 620128) to cowl support plate (P/N 620032) holes to .030 oversize to accommodate misaligned holes interfacing the new engine mount with the existing cowl support plates. The upper 2 holes are now .280", the lower 2 holes are now .218". The .030 oversize bolts used in the upper 2 holes are P/N NAS6204-Y-25 with AN960-416 washers and AN365-428 nuts. The .030 oversize bolts used in the lower 2 holes are P/N NAS6203-Y-25 with AN960-10 washers and AN365-1032 nuts.

.218". The .030 oversize bolts used in the upper 2 holes are P/N NAS6204-Y-25 with AN960-416 washers and AN365-428 nuts. The .030 oversize bolts used in the lower 2 holes are P/N NAS6203-Y-25 with AN960-10 washers and AN365-1032 nuts.
This repair is fully described in Volant Technica Document No. VT-TCD107-21 "Structural Substantiation- Engine Mount Repair-TC 500B, S/N 1450-159" with a form 8110-3 prepared by Peter Pupator, DERT-635895-NM, dated 5-18-01.
Instructions for Continued Airworthiness: The oversize holes and bolts require no additional inspections or maintenance beyond the scope of the Commander Inspection Program.

Additional Sheets Are Attached

U.S. Department of Transportation Federal Aviation Administration

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

Form Approved OMB No.2120-0020

For FAA Use Only Office Identification

MM-FSDD-na

INICT	DUCTION	10. D: 1		0 54	D 40 0 F		40.0						<u></u>	
ınstrı	ictions an	d disposition of	this 1	entries. See FA form. This repor tion (Section 901	t is reauir	ed b	v law (49 U.S.	C. 1421	C 43.9-1 I). Failu	(or subseque to report	uent re can res	vision thereor sult in a civil p	f) for enalty not to	
1. A	ircraft	Make Aero Com	mand	er				Model 500-E		"				
		Serial No. 1450-159			· -			-						
2. (Owner	Name (As si U S Dept.		on registration certifi riculture	cate)		Address (As shown on registration certificate) 3833 S. Development Ave. Boise, ID 83705							
					3.	For	FAA Use Only	,					-	
					24 1 1 - 4 4 5	- 4				70				
		1			it Identifi	cati	on			- 		5. T	уре	
Unit Make							Model			Serial No.		Repair	Alteration	
AIRF	RAME(As describe						n item 1 above)—					х	
POW	ERPLANT													
PROF	PELLER													
APPL	IANCE	Type Manufacturer												
		·			6. Co	nfo	rmity Stateme	nt						
A. A	gency's N	ame and Addre	ess			_	B. Kind of Ag	ency			C. C	ertificate No.		
	Air LLC NE 25th <i>A</i>	ve.				L	U.S. Certificated Mechanic			CRS# 09IR003Y				
	oro, OR			•		x	Foreign Certificated Mechanic							
						۴	Certificated Repair Station Manufacturer							
ne	ereto nave	e been made in	acco	teration made to ordance with the true and correct	reauireme	ents	of/Rart 43 of th	e U.S.	e and de Federal	scribed on Aviation Re	the revi gulatio	erse or attach	nments ne	
Date 6-1-0	1				Sig	natı	ine of Authorize	ed Indiv	/idual		***). Gutmann	
							or Return To S							
	Pursuant the Admi	to the authority nistrator of the I	give Feder	n persons specit ral Aviation Admi	ied below inistration	, the	unit identified	in item /ED	4 was i	spected in	the ma	nner prescrit	ped by	
BY		Flt. Standards ector		Manufacturer			Inspection A			Other (Sp	ecify)			
Doto -		A Designee	Х	Repair Station		\downarrow	Person Appove Canada Ainvort	finess G	гоир					
	n Approva	l or Rejection		Certificate or Des		.	Signature	f Autho	orized In	dividual				
<u>6-1-01</u>				CRS# 091R003\			14XLV~V	<u>~~</u>					. Gutmann	

NOTICE

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

	i
8. Description of Work Accomplished	
8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)	l
	l
Brackett Air Filter Installation (STC No. SA71GL)	ĺ
** "" I - " " A Lu removing original engine all illers and installing brookers " " " " " " " " " " " " " " " " " " "	ı
Modified aircraft by removing original engine difficults and included date 4-17-95. Company Inc STC No. SA71GL "Installation of Air Filters", amended date 4-17-95.	l
	ı
Instructions for Continued Airworthiness:	ı
	ı
The Brackett air filters are to be replaced each 200 hours of each year and the provided in Brackett Air Filter Document I-194 (placed with aircraft records).	1
	İ
**************************************	l
	Ł
	l
	ı
	l
	١
	ı
	ı
	1
	١
	١
	I
	ı
	1
	1
	1
	ł
	ı
	Ì
	ł
	ı
	ı
	1
	١
	ł
	ı
	ı
	Į
	ı
	ı
<u> </u>	
Additional Sheets Are Attached	

U.S. Department of Transportation Federal Aviation ...,^

a '

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

Form Approved OMB No.2120-0020

For FAA Use Only

Office Identification

Administra												MW-LODO		
: ,; _		NS: Print or type nd disposition of t 0 for each such v	hie fo	rm I his report	is required	ום כ	/ Iaw 145 U.S.1	J. 14Z	.C 43.9-1 (1). Failure	or subsequ to report o	ent rev an res	vision thereof, ult in a civil p) for enalty not to	
1. Airc		Make Aero Cor						Mode 500					•	
		Serial No. 1450-159)				Nationality and Registration Mark USA, N171Z							
2. Ow	mer			registration certific Agriculture	ate)		Address (As shown on registration certificate) 3833 S. Development Ave. Boise, ID 83705							
					3. F	or	FAA Use Only	,				•		
		The data identifies the above described to 1 to 1 to 1 to 1 to 1 to 1 to 1 to	d her oed a	icraft, subject to	conformity	ins -/C ohn	pection by a per Land R. Clark	require rson au	uthorized in	is approved FAR 43, Se	d only fo	or 33.7.		
				4. Uni	t identific	ati	on					5. T	уре	
U	nit		Mak	е			Model		s	erial No.		Repair	Alteration	
AIRFRA	ME		(As described i							=			х	
POWER	RPLAN	т												
PROPE	LLER			-÷ 				•						
APPLIAI	NCE	Type Manuf∌cturer		•										
					6. Co	nfo	rmity Statem	ent	l					
A. Age	ncy's	Name and Addre	ess			Τ	B. Kind of A	gency			C. C	ertificate No.		
	NE 2	_C 5th Ava. DR 97124				x				CRS# 09IR003Y ·				
here	eto ha	nat the repair and we been made in on furnished here	acco	rdance with the	requireme	nts	of Part 437 of 1	the U.S	ove and de S. Federal	scribed on t Aviation Re	the rev gulatio	erse or attach	nments ne	
Date 5-31-0	1			·			ura of Axithofia	<u></u>	_			D.	Gutmann	
							for Return To			annotel i-	4 :			
thth	e Adr	nt to the authority ninistrator of the	Fede	ral Aviation Adm	inistration	, เก an	d is APPRO	OVED	ııı 4 was l	REJECTE	2	anner prescri	ped by	
BY _	In	AA Fit. Standards	X	Manufacturer			Inspection	4		Other(Sp	ecify)			
	Appro	AA Designee val or Rejection	<u>, ^</u>	Repair Station Certificate or De		·-	1 <i>1 1 1 1 1 1</i>	of Au	thorized In	l dividual		·		
5-31	0/			CRS# 091R0	003Y		D. Gutmann						Gutmann	

NOTICE

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

8. Description of Work Accomplished

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

Copilot Shoulder Harness Installation

Modified aircraft by installing cabin sidewall mounted copilot's "single shoulder belt" per Aero Air LLC Drawing No. AEA106-90, "Shoulder Strap Int.", Rev. IR, dated 5-11-01. The structural aspects of this installation are *approved* on form 8110-3 prepared by Peter Pupator, DERT-635895-NM, dated 5-22-01. This installation meets the guidelines of AC21-34 "Shoulder Harness-Safety Belt Installations".

The loads carried by the shoulder belt are throughly addressed in Volant Technica Document No. VT-AEA106-25 "Structural Substantiation- Inertial Reel Shoulder Hamess Installation, TC500B, S/N 1450-159", Rev. A, dated 5-30-01. This Document is referenced in the above mentioned form 8110-3.

The inertial reel is located at F.S. 71.0 and W.L. Z15.0. The shoulder belt/inertial reel assembly, P/N FN000058-OD-010 meets TSO C114, and is manufactured by Aircraft Belts Inc. The shoulder belt is used with lap belt assembly P/N FNF282858-AM-010, manufactured by Aircraft Belts Inc.

Instructions for Continued Airworthiness:

Inspect copilot's shoulder hamess for security, condition and o	peration at each 100 hour/annual inspection.
***********	nd Report ************************************

Additional Sheets Are Attached



US Department of Transportation

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

Form Approval OMB No. 2120-0020

For FAA Use Only

Federa Admini	istrati	on	·_						office Identif			Name of the second
disposi	tion o	f this form. Th	is repor	entries. See FAR 43. t is required by law (4! Aviation Act of 1958).	9, F 9 U.:	AR 43 Appendix B, a S.C. 1421). Failure to	report carriesu	or subsequalit in a ci	uent fevision fivil penalty no	thereof) t to exce	tor instructed \$1,000	for each
	<u> </u>	Make					Model					ļ
			Aero	Commander			500B					
1. Aircr	raft	Serial N					Nationality and I	Registration	Mark			ļ
			1450				N171Z					
				n on registration certifica			Address (As sh					i
0 0		US D	epart	ment of Agricul	ture	Э		•	oment Ave	е.		
2. Own	er	Fores	t Ser	vice			Boise, II	8370	5			
-						3. For FAA Use O	nly					
					11-2	Martification					5. Type	
				4.	Unii	l Identification		1			<u> </u>	
l	Unit			Make		Model			Serial No.		Repair	Alteration
AIRFR	RAME (As described in item 1 above)								xx			
POWE	RPLA	NT										
PROPE	ELLEF	₹	-	· .		-	<u>-</u>					
		Туре				-						
APPLIA	ANCE	Manufac	turer						·			
						6. Conformity State	ment			C Cor	tificate No.	
		Name and Addr				B. Kind of Agency	cated Mechanic			QLDR5		
		dge Avionics.					rtificated Mechani	ic		Radio 1	& 2, Limite	
0.5.542 Rend	2 201 Ore	vell Butte Hw gon 97701	٧.			XX Certificated	Repair Station				ent, Airfrar	
1						Manufactur	er	dono-ih-	d on the reve		lant, Other	
D. I co	ertify	that the repair	and/or	alteration made to t e with the requirem	he u	nit(s) identified in ite s of Part 43 of the	em 4 above and U.S. Federal	Aviation	o on the reve regulations	and the	at the inf	ormation
furnish	peen hed h	erein is true ar	nd corre	ect to the best of my	knov	viedge.						
Date						Signature of Author	orized Individual					
	3/28	3/01				me			*			
						William Dolf Rep	airman #2464679					
					7.	Approval for Return	To Service					
Pursu	ant t	o the authority	given	persons specified b	elo	w, the unit identified	d in item 4 was	inspecte	d in the mar	ner pre	scribed b	y the
Admin	istrat	or of the Fede	ral Avia	tion Administration a	nd i	s APPROVED	- <u>R</u>	EJECTED Other (Spec	<u> </u>			
		FAA Fit. Standar Inspector	ds	Manufacturer		Inspection Authorizatio		(Spec	my)	<u></u>	 -	
		FAA Designee	xx	Repair Station		Person Approved by T Canada Airworthiness	Group	* ***		 	. <u>.</u>	
Date of	Appro	val or Rejection		Certificate or		Signature of Authorize	d Individual					
	2	129/01		Designation No.		noce	3 DOR					
	<i>ت</i> 	101101		QLDR577K		William Dolf Repairma	an #2464679 ^O	.				

NOTICE

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

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

N171Z 3/28/2001 N171Z

Removed Bendix FCS-810 Flight Director/HSI System. Installed S-TEC System 65 Programmer p/n# 0142-2, GPSS p/n# 01278-2, Turn Co-Ordinator p/n# 6405-28L and Altitude Selector p/n# 0140, Roll Computer p/n# 0109, Pitch Computer p/n# 0110-8T, Remote Annunciator p/n# 01188, Roll Servo p/n# 0106-R9, Pitch Servo p/n# 0108-P4, Trim Servo p/n# 0106-T10, Transducer p/n# 0111 in accordance with STC # SA7164SW-D. Interfaced System 65 and Altitude Selector with (all installed under separate 337) Bendix/King KEA-130 Encoding Altimeter, Sandel SN3308 EHSI and #1 Garmin GNS-430 Nav/Com/GPS. The electrical load was computed and does not exceed 80% of full capacity. Sunair, Inc. to reweigh aircraft. Logbook entry made. Installed FAA Approved Flight Manual p/n# 89832, dated 11/08/89. Instructions for Continued Airworthiness: See S-TEC p/n# 81377 and p/n# 81487......

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

Form Approved OMB No. 2120-0020

For FAA Use Only Office Identification

	insportatio			•	-	•	•		** /)	NM-ESDO	-na	
	ral Aviatio	n								4_	+_	14.4.	-00	
	inistration	NC: Print or tune	oll o	ntrios Sas EA	D 42 0 · E	2 A D 4	2 Annondin	D 07	d AC 43.9-1 (or subse			4h	44:	
dispo	sition of	his form This re	an e	is required by	.K 43.9, r law (40 I	ISC	3 Аррепціх 1421\ Гаіі	B, and	report can result in a	civil nen	vision	thereof) for the	OOO for each	
		(Section 901 Fed				J.D.C.	. 1421 <i>)</i> . 141	ime io	report can result in a	civii pen	any m	or to exceed 31	,000 for each	
		Make						Mod	le1					
1. Ai	rcraft	***	Com	mander					500B					
		Serial No. 1450	150					Nati	onality and Registrat	ion Mark				
<u> </u>					4:C4 \			A 33						
2. Ox	vnor	Name (As show						Address (As shown on registration certificate) 3833 S Development Ave.						
0 '				rtment of Ag ervice	gricuitur	re				•	Ave.			
1		Fores	31 36	ervice					Boise, ID 83	/05				
<u> </u>														
<u> </u>							For FAA U						··	
[pplicable airworthiness ove described aircraft,					
								erson a	uthorized in FAR 43.7.					
]				D-1 0	0400004			Q	mis J. Cal					
				Date: D	2/13/2001		Inspecto	or: 7	NM FSDO 09					
		···						300						
				4.	<u>Unit iden</u>	rtifica	tion		γ			5. Type	·············	
	Unit		Make	:		N	1odel		Serial N	۱o.		Repair	Alteration	
AIRE	RAME				l				L				<u> </u>	
7	ic ini	1			~ (As desi	cribe	in Item 1 d	thove)	~~~~~~	_			l _{xx}	
					(,					721	
POW	ERPLAN	T											i	
													<u></u>	
PROP	ELLER				j									
					1				•				ļ	
		Tuno			<u> </u>				<u> </u>				<u> </u>	
APPL	IANCE	Туре												
		Manufacture	г		ľ									
			_											
		•			·	6. Co	nformity S	tatem	ent					
A. Ag	ency's Na	me and Address					B. Kind of				C. C	ertificate No.		
Leadi	na Edae	Avionics. Inc.							icated Mechanic			DR577K		
		Butte Hwv				ļ			rtificated Mechanic		1	io 1 & 2, Limit		
Bend	Oreann	97701				ļ		<u>ficated</u> ufactu	l Repair Station			rument, Airfran		
Dice	rtify that	the renair and/or	altera	ation made to 1	he unit(s) iden			ove and described on	the rever		rerplant, Other		
been n	nade in ac	cordance with the	e rea	uirements of P	art 43 of	the U	S. Federal A	viatio	on Regulations and th	at the infe	ormati	ion furnished h	erein is true	
		e best of my kno												
Date							Signature o	f Auth	orized Individual					
02/06	5/01						~							
							M	200	3					
						- 1	William Do	olf Re	epairman #2464679					
					7. A _l	pprov	al for Retu	rn to	Service					
Pursua	nt to the	uthority given pe	rson	s specified be	low, the u	ınit id	entified in it	em 4	was inspected in the r	nanner pr	escrib	ed by the Adm	inistrator of	
the Fe	deral Avi	ation Administra	ion a	ind is	A	APPR	OVED		REJECTED	•		•		
[FA	A Flt. Standards	Т	Manufacture	er		Inspection A	Author	rization	Other (Specify	iv)		
BY		pector	<u> </u>]				
l	FA	A Designee	X	Repair Statio	on				by Transport					
		1 D: ::				\dashv	Canada Air						:	
		ol or Rejection		Certificate of			Signature o	LAuth	orized Individual					
	3/29	101		Designation QLDR577K		1	William Da	of D	pairman #2464679					
	,	$r \cup r$		1 ATDV311V	<u> </u>	- 1	14 HH4H DC	TI LE	рациан #24040/9					

NOTICE

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

8. Description of Work Accomplished

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

Removed Wulfsberg RT-9600F/C-962A FM Transceiver system, King KN-65/KI-265 DME system, KDF-800/KFS-580 ADF system, 2 ea. KNR-600A/KFS-560 Nav system, 2 ea. KTR-900A/KFS-590A Com system, KAA-445/KA-37 Audio system, KI-226 RMI, KGM-690 Glideslope Receiver, KNI-520 Vor/Loc/GS Indicator, Narco ELT-10, Northstar M3 GPS system, 2 ea. Aerosonic Encoding Altimeter, Sigtronics SPA-400 Intercom, AN5820-TI Turn and Bank, AIM P-10A Inverter, NAT RS-08/PB-08 Remote Switch and JEM 500 Tone Encoder.

Installed dual Garmin GA-56 GPS antennas, ELT-910 antenna and CI-121 Aux AM antenna antennas utilizing existing or fabricated doubler plates in accordance with AC43.13-2A, chapter 38. Recut pilots, co-pilots, eyebrow and circuit breaker panels utilizing .105 5051 aluminumand reinstalled utilizing existing mounting. Attached radio panel blank Beechcraft p/n# 35-344234 over radio panel cutout in co-pilots panel. Installed 2 ea. Garmin GNS-430 GPS/Com/Nav p/n# 011-00280-00, NAT TH-250 FM Control, DP-12 Keypad and NAT CC-450 Repeater in radio panel blank. Installed RCA 26BK-9 Electric Horizon, United 5934P-3.A198 and Bendix/King KNI-582 RMI in co-pilots panel. Installed #1 and #2 Aircom ACS-1278 Audio Controllers, Narco ELT-910 Remote Switch, Bendix/King KDI-572/574 DME Indicator with control switches and KA-25A pilot/co-pilot speaker switches in eyebrow panel. Installed Sigma Tek 5000B-40 Artificial Horizon, Bendix/King KI-206 Vor/Loc/GS/GPS Indicator, KEA-130 Encoding Altimeter, KR-87 ADF Receiver, KT-70 Transponder and Sandel SN3308 EHSI in pilots panel Installed audio junction terminal strips p/n# MS27212-1-20 with covers p/n# MS18029-1S20, 2 ea. Bendix/King KA-25A Speaker Amplifiers and NAT AA34-300 Radio Adapter on existing shelf in nose avionics bay. Installed Comant CI-502 Vor Coupler and Comant CI-503 Glideslope Coupler behind co-pilots panel. Installed #3 ACS-1278 Audio Controller behind co-pilot on side wall and ACS-700-3 Intercom Expansion Unit below #3 ACS-1278 behind interior. Installed Bendix/King KDM-706 DME, KMR-675 Marker Beacon, KG-102A Directional Gyro, 2 ea. NAT NTX-138N FM Transceivers, Narco ELT-910, Flitetronics PC-125 Static Inverter, ACK AK-950 Noise Filter, AC Fuse Holder p/n# 3453LF2A and AC Fail Relay p/n# 2TR-4971 on existing shelf in aft avionics bay. Installed 3 ea. MS24187-D1 avionics, alternate avionics and emergency buss relays, 2 ea. Fuse blocks p/n# 4164, 35A Fuse p/n# ANL-35 and ACK AK-950 Noise Filter in aft junction box. Installed Bendix/King KMT-112 in tail cone utilizing existing mount bracket. Interfaced SN3308 with KG-102A and KMT-112. Interfaced KR-87 with SN-3308 and KNI-582. Interfaced 2 ea. GNS-430, KDM-706A, KR-87, KMR-675, 2 ea. NTX-138N and ACS-700-3 with 3 ea. ACS-1278. Interfaced #1 GNS-430 with SN3308, KNI-582, KDM-706A and S-TEC System 65 Autopilot (installed under separate 337). Interfaced #2 GNS-430 with SN3308, KNI-582, KI-206 and KDM-706A. Interfaced KEA-130 with 2 ea. GNS-430 and KT-70. Interfaced PC-125 with SN3308 and KNI-582. Interfaced KMR-675 with SN-3308 and existing KA-35 Marker Lights. Interfaced TH-250 with DP-12 and 2 ea. NTX-138N. Interfaced CC-450 with 2 ea. GNS-430 (Com) and 2 ea. NTX-138N. Replaced coax cables with RG-400 and RG-393. Utilized existing Com/Nav/Glideslope, Transponder and Marker Beacon antennas.

for Continued Airworthiness: Upon reinstallation of any of the above described components all tests in accordance with above referenced installation manuals as revised. Instructions for the requirement to replace the SN3308 projection lamp within the first 200 hours and every 200 year, whichever comes first	***
-	
☐ Additional Sheets Are Attached	
• U.S. GPS: 1989-0-663-171	

US Department of Transportation Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

e Only

For FAA Use Only

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

ior	each su	for each such violation (Section 90) Federal Aviation Act of 1956).												
		Make AERO	COM	MANDER				Model	500В					
1. Ai	rcraft	Serial No. 1450-	159					Nationa	lity and Registration	n Mark				
		Name (As sho	wn oi	n registration cert	ificate	,		Address	(As shown on regi	stration c	ertificate)			
2. 0	wner			EST SERVICE					3833 S Devel Boise, ID 8	opment	Ave			
						3 5	3. For FAA Use Only							
\vdash						<u>э. г</u>	OI FAA OSE OI	шу		· · · · · · · · · · · · · · · · · · ·				
						4. U	Init Identificati	on			5. Type			
	Unit Make						Model		Serial No		Repair	Alteration		
AIRFRAME(As desc						ribea	l in Item 1 abov	re) •••••			:	х		
POW	POWERPLANT													
PROF	PROPELLER													
		Туре												
APPL	IANCE	Manufacturer												
					6		nformity State							
A. A	gency's	Name and Addres	ss				Kind of Agency		C. Certificate No.					
	Rich	ard R Watki	ins			X.	U.S. Certificate Foreign Certific			-				
	270	NW 19th				_	Certificated Re			1904335				
	Redm	ond, OR 977	756				Manufacturer							
D.	have be	en made in accor	rdano		ments	of Pa	art 43 of the U.		e and described on t al Aviation Regulation					
Date						Sigi	nature of Autho	orized Inc	dividual					
	4-	3-97				7	While	DX	D WOLL	<u> </u>	—			
					7. Ap	prova	al for Return To	Service						
Pu Ad	rsus mina	the authority g	iven I Avia	persons specified tion Administration	belov n and	v, the	unit identifie		4 was inspected in REJECTED	n the man	iner prescrib	ed by the		
BY		A FIt. Standards pector	Ī	Manufacturer	Х	Insp	ection Authoriz	ation	Other (Specify)					
		A Designee	F	Repair Station		Pers Can	on Approved by ada Airworthine	Transpo ss Group	rt]					
		val or Rejection		Certificate or Designation No.	. –	Signature of Authorized Individual								
4	<u>-3-</u>	-97		1904335			alle	() A	" Wall	<u>/\</u>				

NOTICE # 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
'Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be
compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.
8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)
(If more space is required, attack additional chects, resimily that all electrical spaces, and a great spaces
Installed RAJAY Turbocharger SYS on both engines, as per S.T.C. SE6WE and S.T.C.
SA529WE. Supplement installed in Flight Manual. Aircraft reweighed
New WT & BAL in Aircraft. This was a conformity inspection. No prior paperwork.
Nothing Follows
·
· ·

☐ Additional Sheets Are Attached

2	
US Depa	riment
of Transp	ortation

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Federal Aviation Administration	n .		, .				Office Iden	tification 9	0
and dispositi	ion of this form. Th	all entries. See FAF his report is required on 901 Federal Avia	d by law	AR 43 Appendix B, a (49 U.S.C. 1421). Fa t of 1958).	nd AC 43.9 illure to rep	-1 (or subsequer ort can result in	nt revision t a civil pena	hereof) for in Ity not to exc	structions eed \$1,000
	Make		N .	The second second	Model				
1. Aircraft	Ro	ckwell	1.	n pagan	\$3 d 3 + 5	500B	- 1		
i. Aircrait	Serial No.				Nationalit	y and Registrati	on Mark ,		
	14	5-0159		is the set of the first	t_ ,	N171Z	5.		
, a	Name (As shows	5-0159 n on registration ce	rtificate	12. 6. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	Address (As shown on reg	gistration c	ertificate)	
2. Owner	U.S. Dep	artment of	Agr	iculture,	P.O.	Box 362	34	ide -	
3.		THE WEY AT	eria Granis (Section 1)	3: For FAA Use O			<u> </u>	<u>ئەسىد قى</u>	
ېچنها خاند	t .gastiggd Adams	NOT REPROVE	drs. utre	S. For FAUSE D. S.	i debi Longda i con	e i ementi. and batta	ಾ. ೨೮೪ ಚಿಡಾಗಿ⊱	e to w	<u>ئ</u> ائد ئ
				4. Unit Identificati	on .			5. Type	····
			1					J. Type	1
Unit	. M	ake	1.0	Model		Serial N	ο.	Repair	Alteration
AIRFRAME	4) 57 7	(As desc	ribed in Item 1 abov	(e)	••••••			xxx
POWERPLANT							ere e e e e e e e e e e e e e e e e e e		ŧ
PROPELLER									
APPLIANCE	Type Manufacturer								
			- 6	. Conformity States				1	
A. Agency's Na	ame and Address	<u> </u>	<u> </u>	B. Kind of Agency				ficate No.	:
Leading	Edge Avid	onics, Inc	•				4		
	owell But		4	Foreign Certific	ated Mechan	nic /	╛ .		
	regon 97°		1	XX Certificated Rep	air Station		QLD	R577K	
				Manufacturer	+ 2	<u>. 1997 - 1994</u>		<u> Arrigina </u>	<u> </u>
have beer furnished	ı made in accorda	or alteration made to nce with the requir I correct to the best	ements	it(s) identified in iter of Part 43 of the U.S knowledge.	n 4 above a S. Federal /	nd described on Aviation Regulat	the reverse ions and th	or attachmen at the inform	nts hereto lation
Date				Signature of Author	rized Indiv	idual		3 m - 17 m	
7 7 7				wata	-304				
17 Ap	ril 1995	1834 1 1		William		#2464679)	42.0	
				proval for Return To		<u> </u>	to the second		.*
Administrator	r of the Federal Av	n persons specifie viation Administrati	d belov on and	v, the unit identified	in item 4 D □ RE	JECTED	<u> </u>	ner prescrib	ed by the
BY FAA Inspe	Fit. Standards ector	Manufacturer		Inspection Authoriza		Other (Specify)			
	Designee xx			Person Approved by Canada Airworthine	s Group		e de la company	41.5	
Date of Approva	al or Rejection	Certificate or Designation No.	* .	Signature of Aotho	rized mediyi	dual	(A.E.)		
17 April	1995	QLDR577K		William D	01f #	2464679		5 * \$ * kd.	
FAA Form 337 (12-88)	er et terretario de la companya del companya del companya de la co	الحارثين و 14 أما أ الحيطة والمقاصية و	gang galan ing panggan ang ang ang ang ang ang ang ang a	enselfe and eller	والمشاؤد ووجود مسور بالما المحاسف	r reading to the	typo ig 1000-100 againg o	. ''
e usage	omray V. S.		$I_{i} V_{j}^{*}$						

NOTICE

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

Removed II Mor AN135 GPS anten coaxial cable. utilizing exist NAT RS-08. Ins Fabricated and light control encoding altime Appendix E, Par 38.b., Northsta AC20-138, Chapt Flight Manual Schange to weigh	attach additional sheets, identify with a row 612B Loran Rece na utilizing area vac Installed M3 GPS R ing wiring, #2 Nav Critalled FN-100B cool installed FN-100B cool installed IFR requirin pilots panel. The representation of the result of	iver and A-leated by A-16 eceiver util of the control of the contr	L6 Loran Ante utilizing do izing area v and remote CD rear of M3 annunciators with exis correlation i iaw AC43.13,0, Rev. B, da DT APPROVED FO flight testide	nna. Instalubler plate acated by 6 I switching mounting tryand bright/ting Aeroso aw FAR Part 2A, paragred 8/8/94 DR IFR" pend ng. Negligi	and l2E vis ay. din nic 43, aph ing bls
9(2)	, Seatille	idis a salah		•	1.0
				Contract Contract	- 4
ra juh		ive e General e en le en le e	بدي سب بيحد	and the second	
	the sale would need to the Will Will Will the Bridge	and m boombookeds.	ا چې د چاره څخه د ده د د د د د د د د د د د د د د د د	2.00	
		e vongender great i Nach er er bland in besch			1
				A LANGUE V	
					; ;
					That was a
			하는 얼마를 잃었다.	BUY?	
				gentral 2014/11	
		rational traditional in the second		,	1000
Zidifilizatio No	OL a series de la la la la la la la la la la la la la		and the state of t	A true are give 197	1
	agesta rossum		mi weblasiwa	9055 Dulb	. 1
			Butte har	Treves 0:00	
A VEXTOR				acousto state	٠٠ . ا
ouverteimemitöölista varana kontemuutin eri teit kait	etin la Englisher Amin, a Mebby E(X) y	Tre Tre Selfe of Garage	in collundae Yngolait 19 Afrik General 19 Afrik Sanceur	the second of the second	destructions of the Oct.
			20	17 April 18	
	A STATE OF THE STA				1000
of Exercise and annual		Tay Les Capacit	pane Chost Priserio XI. Mantanasant Siverio	treffice dialectic inchi and to take the make	d layer
	~ <i>*</i> * * * * * * * * * * * * * * * * * *		Montanes	Edmina or Lond	
					¥ (2)
				وأدنى بلاسمي هجود كالراكيك	
			Control of the	्रक्ता क्रिक्टिया के स्थित है। स्थापन	
				\$\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1
र किया है। यह के प्रतिकार की किया के किया के किया की किया है। इसके किया की किया की किया की किया की किया की किया की की की की की की की की की की की की की	Additional	Sheets Are Attached		eri, as has en a a greek all en skar Alle. L	بشدوي

0	MAJOR REPA	IR AND	ALTERATIO	ON .		OMB No. 2	120-0020	dur
US Department of transportation Federal Autotion Administration	(Airframe, Powerpla	ant, Prop	eller, or Ap	pliance)	-	Office Ident	0-09 00	N 26
INSTRUCT	IONS: Print or type all entries. See FAF tion of this form. This report is require ch violation (Section 901 Federal Avia	U DV IAW (45	U.S.C. 1721/.1		l (or subsequ et can result i	ent revision tl n a civil penal	hereof) for ins ty not to exce	tructions ed \$1,000
-	Make		W. T.	Model	5000			. 6.
. Aircraft	Aero Commander			Alasia a alitu	500B and Registra	tion Mark		
	Serial No.	• • • • • •		1	171Z		·÷	
1	Name (As shown on registration ce	ertificate)	5 - 4	Address (A	s shown on r	egistration c	ertificate)	
2. Owner	United States Fore		ce	1738	SE Ochoc ond, OR	co Way	·	
3		3.	For FAA Use C	nly				
and of the response								. •
ģ 2	a · · ·					_		
<u> </u>			Unit Identifica	tion			5. Type	
- 	T	<u></u>		T	Corio	No.	Repair	Alteration
Unit	Make		Model			-	Hopan	1
AIRFRAME		.(As describ	ed in Item 1 ab	ove)		····		×
POWERPLAN	Т		· .					-
PROPELLER				,	•			
	Туре		•		•			
APPLIANCE	Manufacturer	-					1.	-
	<u> </u>	6.	Conformity Sta	tement				
A. Agency's	s Name and Address		3. Kind of Ager			C. Cer	tificate No.	-
7	es W. Guyton		X U.S. Certifica					
	01d Wagon Rd.	·		ificated Mecha	inic	A&P	2212019	
Siste	ers, OR 97759	i i	Manufacture	Repair Station				
D. I certif	y that the repair and/or alteration mad been made in accordance with the req hed herein is true and correct to the b	luirements o	(s) identified in	item 4 above	and described Aviation Reg	d on the rever julations and	se or attachm that the infor	ents hereto mation
Date	ned fields to the and periods to the a	1:	Signature of Au	thorized Ind	ividual	· · ·	///	•
Date	4/1/92		GIM	tules	h	- 1	h	· · · · · · · · · · · · · · · · · · ·
			roval for Return		· · · · · · · · · · · · · · · · · · ·		·· -	
Pursuant Administ	to the authority given persons spec rator of the Federal Aviation Administ	ified below, tration and it	the unit ident	ified in item	4 was inspect REJECTED Other (Sp	<u> </u>	anner prescr	ibed by the
	FAA Fit. Standards Manufacturer		Inspection Author	·		· · · · · · · · · · · · · · · · · · ·		• 1
	FAA Designee Repair Station		Person Approve Canada Airworth	niness Group			<u> </u>	
	792 Certificate or Designation NAP221201	No.	Signature of Au	ithorized Ind	ividual	Son	4	·

4/1/92 FAA Form 337 (12-88)

NOTICE

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

	eu noskins			r (CFS2000A) I	Surger St.	·	· j
		. Pilote Attanta i in	;;;•EJ	VD			. • • • •
	Topa Milita	रत स्ट्राइए से एके करन	lakur (<u> </u>	Post	Tribe menenta gan e	randering Frankriter Commission (1) as the	`
-		New cookse	22 03 ti	-			-
**. **		03 92755		Service .	ca bia Poyest.	S bestrib	.1
			16.	18., Fo: PARtie			
	•		en versioner en de la companya de la companya de la companya de la companya de la companya de la companya de l La companya de la co				
100							
		1					
		والمتعلق والمتعارب والمتعارب والمتعارب	<u> </u>	and the second s			*** ** ***
orzana I	i galdet i talig i i Mastos i j	oli Lines	. 1	s diversitions, see	<u>- </u>		
	- 13	* *************************************		tranta i jirada. Liberala i ingara	السرائد الفصادي		1
- X - 1		er energy	alandenna List	ingenities (income the state)	and an arms		:
n di di Harita			ragina da deserva do la la la la la la la la la la la la la				1
							1.
1				N			1415
	1					and the state of the state of the state of	
						Sept.	1000
					الله الله الله الله الله الله الله الله	ر در از از این از مخ یمین سخت راز در از این از مخ یمین سخت	1 3
						. tetalzatundi	1
Carlo niana Carlo niana	-Angeles and Physics		وَالْمُ الصَّامَةُ مُعْمِدُ مِنْ وَعَدِينَ مِنْ إِنَّا	Constitution of Angle (1997)			
- Service	The state of the s		<u>्रिक्त</u> क्रम्बन्न क्रिक्ट	nega to with the first			
	2217019	113 A 4	Cated Verman	andsome 1		∭. Guyton : !de:lacko Kå.	ii p
			nerio	Abbarateleo (1911)		; Call 977,53	
erstendaling	ining attended to	รงอาอุดปกตาโลยแก้วก	ogo jami mana inid sobani 6i edat me:	ini isali da mara katan katan katan katan katan katan katan katan katan katan katan katan katan katan katan ka Katan katan ka	totable dodoubles	and a second	
нанан	tatoress tarb c	ns anodology នៃ កំណ	tiniva triutai3 (d.).	rends of Post 43 of the L Lipy knowledge	navers on others.	telatoros	f
تكبيدون		والمتعاد أخرفه بالمتعاشما	lcotivi_nt panada	Lister stockers (*)		elana menang menah Tigan	Descri
	رد ما آن د مسب						
				7.37		1. S. 1. 25/17	<u>.</u>
e ti vii ded	hailin i lini. Nasara rena a	ritania della mane	Commission of the Commission o	la esta Hou vel freisid			
		gan.	Grander (D. J. Laigy	CH99A 核 、直接原金	ជាតិសេសសម្រាស់ 🛣 🕏		en ta di
		tidiocabli mil		Solay Application Agency	in the state of the	en. State and Tale 11	Asti
			September 1	rate from the control of the control			
			າ. ກໍ່ ຄົນທາຍວິດຊວິກກີ	disprist charge (्रिक्सिकार पुरस्तात	า ยวกวไซต์ ป	AA. Tj

7.3

£.

Commande

Name (As shown on regis

Serial INo. 1450-159 Sar

US Department of Transportation Federal Aviation Administration

1. Aircraft

2. Owner

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

ation certificate)

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

Pffice Identification AY 0 8 19

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).

Model

500B

Nationality and Registration Mark

1738 SE Ochoco Way

Address (As shown on registration certificate)

	J	1000 101400			heamond	1, OR 97756	o 		
				3. For FAA Use Only				4	
							· · · · · · · · · · · · · · · · · · ·		
				4. Unit Identification		\$		5. Type	
Unit	, Mak	е	•	Model		Serial No.	·	Repair	Alteration
AIRFRAME		·························(A	is descr	ibed in Item 1 above)				х
POWERPLANT									
PROPELLER						¥.	:		
APPLIÄNCE	Type Manufacturer								
		<u> </u>	· 6.	Conformity Statem	ent .				
A. Agency's N	ame and Address			B. Kind of Agency			·C. Certi	ficate No.	
270 NW	R. Watkins 19th , OR 97756			X U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer 1904					:
have been	nat the repair and/or n made in accordan herein is true and c	ce with the require	ements	t(s) identified in item of Part 43 of the U.S. nowledge.	4 above an Federal Av	d described on the viation Regulation	he reverse ons and ti	or attachmenat the inforr	nts hereto nation
Date 4-29	-92			Signature of Author	rized Individ Ru	dual DOLL.		>	
			7. Ap	proval for Return To	Service	·		*	
Pursuant to Administrate	the authority given or of the Federal Avi	persons specifie ation Administrati	d below on and	t, the unit identified is 以 APPROVED	in item 4 v	JECTED	n the mar	ner prescrit	ped by the
	Fit. Standards ector	Manufacturer	х	Inspection Authoriza	tion -	Other (Specify)		· · · · · · · · · · · · · · · · · · ·	
-	. Designee	Repair Station		Person Approved by Canada Airworthines				-	
	ral or Rejection	Certificate or Designation No.	5	Signature of Author	ized Individ	tual Doll	•		

FAA Form 337 (12-88)

· Ģ

NOTICE

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

instruction and	Aero Commander Maintenance	e Manual.		-!
· · · · · · · · · · · · · · · · · · ·	The Color of the C			* }
	NOTHING: FOLLOWS	รุกษาการ และ	New Agents of the August Inches	
	ATT AND CONCORD MOTORS		The state of the s	
	7 1 1 Redmoni, OF 97776	esivieS-teed	United Stating Fo	•!
والوالضيال بمعاشر بالمحادث والمحادث	الله الله المنظم والمستعمل المستعمل المستعمل المستعمل المستعمل المستعمل المستعمل المستعمل المستعمل المستعمل	بع معسستان بدار باید		ij.
			• • • •	
	العربية المستخدمة ومن المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخدم وقد المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخدمة المستخ	57/16/7 (B. 1.1.)	المسروفية أجارا فجاراه	
		The second secon		
	and the second of the second o			
_				
	agada da araba a sa a agada da seberar da berenaga ang katalog a militar a sa br>Sa sa	Mary 1995 A. St. A. St. A. St. A. St. A	make a subsequence of the subseq	
	للقطة المائدة على كليدة والمنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المن		erie e e e e e e e e e e e e e e e e e e	
- 17, 1 1, 14	للم المناسخ برنائيل المناسلة المناسب المناسخ المناسخ المناسخ المناسخ المناسخ المناسخ المناسخ المناسخ	عيديها فالمرافعة فالمناف	race representation of the	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				·
				S 2 2 2
		*		
•			ាំ ។ ក្រុមប្រជាពិទីសាស	
	ing Statement (madico de la companya della companya		
Democrate No.	et al la company de la company de la company de la company de la company de la company de la company de la comp	V 5619. 3		ende L
	Conflicated Machania การใจเกล้าหรือที่ ในสามาณ	1.82.0.1 A.]	entifir.	C Arrold
1904335	් ද්යා යන කොට දෙන දෙන කිරීම විට ද්යා ප්රතිරේත විය දිනින් ප්රතිරේත විය දිනින් විය දිනින් විය දිනින් විය දිනින් දී කිරීම කිරීම දිනින් දෙන කිරීමට සිට ප්රතිරේත විය සිට සිට ප්රතිරේත විය දිනින් විය දිනින් විය දිනින් විය දිනින්		상당량하는 사고가 이 4박	13.5
والمنطقة المستعددة	Service of the servic		OR. 97756	, Egger
rd althereglocats to exist	er eiten bedich ib bei Gede beith (123)	onst phaethrottipp	กตุกราชที่เอาให้เลาแกรง	a in ore
made, and the part of	es, est un acat titus profession est (1907) es est Es est un acat titus profession est (1907) es est (1907) Es est un acat titus profession est (1907) est (1907)		กรุ่งไม่ใช่ gone กาม การ cre se See กรุ่งกระ และ และ sent กาก ก	
	ार्या । विकास स्थानिक देशिक के हिन्दू के के हैं कि विकास स्थानिक के कि कि कि कि कि कि कि कि कि कि कि कि कि			• • • • • • •
	the the Destroy		60	
			· · · · · · · · · · · · · · · · · · ·	
ed bodinoeste vanine	gradiensky district of the second second second second second second second second second second second second Second second		ali di	
en en enganera estante de la companya de la company		A traditional facility	E. T. SING MESS.	J. Den
			wallang	_i
				santije. Galek
32.00			ela vilanti	v0.454
	Control of the Contro		мдү 4 1992	

±U.S.GPO:1989-0-683-17

US Department of Transportation Federal Aviation Administration		rplant,	Pro	оре	ller, or Ap	pliance		Office Iden	r FAA Use C tification	are		
and disposit	ONS: Print or type all entries. See ion of this form. This report is req h violation (Section 901 Federal .	uired by l	aw (49 U	.S.C. 1421). Fa	ind AC 43.9 illure to rep)-1 (or subseque port can result in	ent revision t n a civil penal	hereof) for in ity not to exc	eed \$1,000		
	Make Aero Comman	der	i. Nasis		::: 1	Model	500 – B	្រ ខេត្តមន្ត្រ	্ হস্কুরি তেওঁ জন্ম ন			
1. Aircraft	Serial No. 1450-159					Nationali		and Registration Mark				
2. Owner	Name (As shown on registration certificate) US Dept of Agriculture Address (As shown on registration P.O.Box 3623 Portland, OR 972											
	<u> </u>			3. F	or FAA Use O	nly			-			
				4. U	Init Identificati	ion	<u> </u>		5. Type	T		
Unit	Make				Model	-	Serial	No.	Repair	Alteration		
AIRFRAME	***************************************	As d	esci	ibed	; I in Item 1 abo	ve)	•••••			х		
POWERPLANT					*		•		•			
PROPELLER				100 s 34 s 34 s				· · · · · · · · · · · · · · · · · · ·				
APPLIANCE	Type Manufacturer						•	# 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1				
			6.	Co	nformity State	ment				-		
	lame and Address			В.	Kind of Agenc	y -		C. Cert	ificate No.			
6967	lers W. Guyton 9 Old Wagon Rd. ers, OR. 97759	** *		X	Foreign Certificated Re	cated Mech	anic	AP22	212019			
have bee	hat the repair and/or alteration men'made in accordance with the r	equireme	ents	of P	art 43 of the U	m 4 above .S. Federa	and described of Aviation Regul	on the reverse lations and t	e or attachme hat the infor	ents hereto mation		
Data	11/2/90				nature of Auth	norized Ind	ividual	Shy	<u></u>			
		7.	Ap	prov	al for Return T	o Service		•/				
Administrat	the authority given persons spoor of the Federal Aviation Admini				e unit identifie		REJECTED		nner prescri	bed by the		
	A Fit. Standards Manufacture	r	ж.	Insp	ection Authori	zation	Other (Spec		5 .			

Person Approved by Transport Canada Airworthiness Group

Signature of Authorized Individual

FAA Form 337 (12-88)

FAA Designee

Date of Approval or Rejection

11/2/90

Repair Station

Certificate or Designation No. AP2212019TA

NOTICEWeight 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.

الترافي المناف المعصوب المنافي المناف	"100 122	nality and registration mark and date work completed.)
Install Cleveland Br	ake Kit #199-122 -	LAW STOURDAY OUT THE CASE.
Wgt. & Bal. ammended		
	and the first the second control of the seco	ter term to a content or the section and the section
		A REGISTER TO THE BUT THE PROPERTY OF THE PROP
그 그는 사람들이 얼마는	.하이 아닌 다른 네이스가 먹는 선	
and the second second second second second second second second second second second second second second seco The second second second second second second second second second second second second second second second s	وود المحالا والمع والمدار المدار الماري	Control of the Contro
ماهد المعيد المنظم أ لي يهيد الدادية الرأول		
		والمرابع والمتعارض والمتعارض والمتابع و
		and the second s
		gyant Si isang atau <u>atau atau atau atau atau atau ata</u>
	and the second s	
	أعود عمامه عويش فيبلد بدكر الصاري الماري	AND AND THE REAL OF A PERSON OF THE PARTY OF
	and the same of th	
		and the second s
가 그는 그렇게 뭐라 나는 어때?		<u> 고개발을 하는 다니면 보고 하다. 그 보고 다</u>
	Insuration visites	1517 · 0
	find of Agency	
2 chi dispinisti ()	The Company of March 2017 Child	프로마 그는 경기를 가장 살았다. 그는 그리고 있다. 그
Figure 1	Service Security Sections Section Sect	
وم و مشتب میشود.	and the state of the front to be blue.	or (china salter pendenditarata notona metro sante la sentenulgar opi dila construccia mi sante la sentenulgar opi dila construccia mi
a est est especia est al salumente su est. Adaille est de la la la calamente est.	e de la la Galland Aviation d'action de la la la la la la la la la la la la la	of College and September 25 of the construction in a second construction of the construction in a second construction of the c
	Resolvat bernound (23%)	************************************
		S. Charles and the second seco
	ish Reim Year age	Tawarda A Cara or supersy navy Auton
१ हो ना दिल्लीनायकाल अवस्थात है सुनि सामाहि	n interior and in the second second	de Communicación de la paración de la communicación de la communic
والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج	acay selfol a nonzaraha kasil	
		and the same of th
		ボール - Electrical action (Fig. APK) - 18
	A SHE WERE THE	

A ser a great front of

And the second of the	ing a magazina da 1966. Managan ang ang ang ang ang ang ang	ILC DEDARTMENT OF	TDAL	nontation	arte carta eger (a.a) .	× 1			
		U.S. DEPARTMENT OF FEDERAL AVIATION			Part Popular	For Bu	rm Approved dges Bureau N	o. 04-R00	50.1
	LAM	OR REPAIR AN	AD A	LITERATION			FOR FAA		LY
	(Airframe.	Powerplant, Pr	opel	er, or Applier	nce)		FICE IDENTIFIC		л
INICTRICA							VW-FD		
for instructi	ions and disposition	ype all entries. Secon of this form.	FAR	43.9, FAR 43 Appe	endix B, and	AC 43 9-1 (c	or subsequent	revision 2	hereof)
	MAKE	-			MODEL				
1. AIRCRAFT	SERIAL NO.	ommander	-:			500-B			
-	1450-1	59	,	•	1		ISTRATION MA	AKK	
		on registration certif	icate)			1171Z	gistration certif	icate'	
2. OWNER			,		i	P.O. Box			
<u></u>	U.S. De t	of Agricultur		1, 1,			OR 9720	38	
- -				I. FOR FAA USE ON	LY -				
					Same :	1 1	•		
				• •		•		,	-
					_				٤
•					-7		-		
									•
	· · · · · · · · · · · · · · · · · · ·	4. UI	IT IDE	NTIFICATION				5. 1	TYPE
UNIT		LAKE ;		MODEL	į	SERIA	I NO.	BEPAIR	ALTER-
·				 		•			HOITA
AIRFRAME	*****	***********	(As des	cribed in item 1" abi	ove) agasais a.	· · · · · · · · · · · · · · · · · · ·	•••		
									X
				- <u>1</u> 340					
POWERPLANT				· ·					
7 - 42 - 7	1 1 - 1	Tang.							
PROPELLER	ಗಾಣ ನಿರ್ವಾಕ್ಷಾಂ	: abarrian							
	, .u_a_u_	updated.		,	4				
. 4 1	TYPE								
APPLIANCE	MANUFACTURER	THE PERSON OF TH	rd6 :	⊒gr, og ree • e •		Segral a	le. In it		
	- CONTRACTORE	- 1				•			
7 5 1752	LANGE MEN CO	<u> 12 LÜTÇ GÜLTÜR E</u>	6. (ONFORMITY STATEM	FMT	-876-1080			
A. A	GENCY'S NAME	AND ADDRESS	انم دو ټ		D OF AGEN	ICY	C. CER	TIFICATE	NO.
				U.S. CERTIFICAT				26 A126	
Flight	craft, Inc./	Portland	s ;:::	FOREIGN CERTIF			AT.	384 PI	_
	.E. Alrport nd, OR 9721		٠	E CERTIFICATED RE	PAIR STATION	1	PR 1 8	2 R1.28	24
				MANUFACTURER			<u>.l</u> .		
attachmen and that	that the repair are its hereto have be the information for	nd/or:alteration ma en made in accordi urnished herein is t	de to ance w	the unit(s) identi- ith the requirement id correct to the h	tied in item ts of Part 43 est of my kn	4 above and of the U.S.	described on Federal Aviasi	the reve on Regul	rse or ations
ATE	ens *		1	SIGNATURE OF A	UTHORIZED		-		
		SELT SUC S	78.1	Kaland Mul	Lugar			•	
	7-2-87			Roland Mil	11gan - (Chief Ins	pector		
				AL FOR RETURN TO					
the Administ	the authority gives rator of the Feder	n persons specified al Aviation Adminis	below, tration	the unit identified and is APPR	in item 4 w	zs inspected EJECTED	in the manner	prescribe	ed by
PAA	FLT. STANDARDS	MANUFACTURER		INSPECTION AUTHORIZ	10	OTHER (Specify)			•
BY	DESIGNEE _	REPAIR STATION		CANADIAN DEPARTMEN		- Les resum	· · · · · · · · · · · · · · · · · · ·		
DATE OF APPI	X	CERTIFICATE OR	1	OF AIRCRAFT		INDIVIDUAL	<u> </u>	······································	
EJECTION	ালেড্ৰাই ৮০০	DESIGNATION NO).		THE PIECE	War wood			ė
7-2-8	7	ARS4126		Raland Mr	Migai				
AA Form 3	37 (7-67)				Ţ.			. (8	320)

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 Wilcox number 1 and 2 transponders along with control heads and antennas.

Installed a Collins TDR950 transponder in lower R/H side of instrument panel. Transponder is wired to pilots encoding altimeter. R/H altimeter encoder has been

System is installed per Collins installation manual P/N 523-0766465-004118.

New antenna is mounted in same location as old antenna.

Transponder was certified in accordance with FAR 91.172 S/N 19868.

System is installed in accordance with AC43.13-2A Chapter 1, paragraph 1,4 thur 11.

Weight and Balance updated.

Equipment list revised.

- End -

U.S. Dept of Agriculture

Aero Commander

COLUMN TO LES FSDO PORTLAND, ORLGON DEGELVE

ADDITIONAL SHEETS ARE ATTACHED

ATHER WIND COMMAND

\$ U.S. GOVERNMENT PRINTING OFFICE: 1986-659-121/40146

	U.S. DEPARTMENT OF TR	RANSPORTATION MINISTRATION		Form Approx Budget Bure	SH NO.		
						SE ONLY	
	MAJOR REPAIR AND (Airframe, Powerplant, Proj	peller, or Applior	ice)	1	(-FSD	0-64	
INSTRUCTI	ONS: Print or type all entries. See F	AR 43.9, FAR 43 App	endix B, and AC	43.9-1 (or subseq	uent re	vision the	reof)
	MAKE		MODEL 5	90В		·	
AIRCRAFT	AERO COMMANDER		NATIONALITY	AND REGISTRATIO	N MAR	RK .	
	SERIAL NO. 1450-159	· · · · · · · · · · · · · · · · · · ·		171Z			
	NAME (As shown on registration certific	ate)	1	shown on registration	certific	ate)	
. OWNER	•	•	P.O. Bo	x 3623 d OR 97208		•	
	U. S. DEPT. OF AGRICULT	3. FOR FAA USE OF		U. UK STEDE			
		3. 1011					
			•		•		
					٠.		
				-		•	
4		- * * <u></u>				 	
	4. UN	IT IDENTIFICATION		<u> </u>		5. T	
UHIT	MAKE	MODEL	-	SERIAL NO.	·	REPAIR	ALTER-
AIRFRAME	('As described in item 1 i	apove, sessesse		· 		X
POWERPLANT							
PROPELLE	* * * * * * * * * * * * * * * * * * * *			· · · · · ·			
	TYPE				٠.	-	
APPLIANCE	MANUFACTURER					-	
			2	<u> </u>		_ 	<u> </u>
		6. CONFORMITY STA	TEMENT KIND OF AGEN	1CY	C. CE	RTIFICATE	NO.
	AGENCY'S NAME AND ADDRESS		CATED MECHANIC		1.	AR& 4124	6
FLIGH'	TCRAFT, INC. / PORTLAND		RTIFICATED MECHA	MIC	,	A1.384	
7505	N. E. Airport Way and, OR 97218		D REPAIR STATION			.263 11.	
		MANUFACTU					
D. I certif	y that the repair and/or alteration neets hereto have been made in accord the information furnished herein is	true and correct to th	e best of my k	nowledge.	ral Avi	ation Reg	ulation
DATE		SHONATURE	OF AUTHORIZE	INDIVIDUAL			
	7/11/86	Roland M	William 1	Chief	Inst	ector	·
·	o the authority given persons specific	APPROVAL FOR RETUR	N TO SERVICE				

INSPECTION AUTHORIZATION

CANADIAN DEPARTMENT
OF TRANSPORT INSPECTOR
OF AIRCRAFT
SIGNATURE OF AUTHORIZED INDIVIDUAL

(8320)

DATE OF APPROVAL OR REJECTION
7-1-8-4
FAA Form 337 (7-67)

FAA FLT. STANDARDS INSPECTOR

FAA DESIGNEE

MANUFACTURER

REPAIR STATION

CERTIFICATE OR DESIGNATION NO. ARS 4126

XX

. igr tps

orciana.

NOTICE

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

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

ingeralistic Tropper Art Table Install a Hobbs hour meter on copilot's RH lower instrument panel.

Hour meter has zero time. Aircraft total time is 7136.7 hours.

Hour meter is powered from avionics buss with a 2-amp inline fuse.

Installed a air pressure switch behind copilot's instrument panel and plumbed into RH pitot system. Checked pitot system for leaks. Air pressure switch will activate hour meter.

AC43.13-2A chapter 1 paragraph 1, 4 thru 11 utilized.

Weight & balance negligible.

Equipment list updated.

---END---

अनुसरम्बद्धार प्रेल द्वारूपानुस्थानुः को । असे को अनुस्थानुः है। इस करो

Land De voisierrands

Line of Line protected and street

namina namina naminah naminan naminan naminan naminan naminan naminan naminan naminan naminan naminan naminan Taminan 19 menganan naminan nami

Wasalby house

VILCE GREETERS

HIME FSDO PORTLAND. OREGON PORTLAND, OREGON

DEGETY 7|8|9|10|11|12|1|2|3|4|5|6

ADDITIONAL SHEETS ARE ATTACHED

The section of the se

الألية وفركين ليب

S. GPO 1981 775-332.47

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Form Approved Budget Bureau No. 04-R060.1 FOR FAA USE ONLY

OFFICE IDENTIFICATION MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance) INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. MAKE 500B NATIONALITY AND REGISTRATION MARK AERO COMMANDER 1. AIRCRAFT SERIAL NO. N171Z 1450-159 ADDRESS (Ås shown on registration certificate) NAME (As shown on registration certificate) P.O. Box 3623 2. OWNER Portland, Or 97208 U.S. Dept. of Agriculture 3. FOR FAA USE ONLY 5. TYPE 4. UNIT IDENTIFICATION SERIAL NO. REPAIR ATION MAKE UNIT X coccoccocc (As described in item 1 above) AIRFRAME POWERPLANT PROPELLER ·- Billi -APPLIANCE MANUFACTURER 6. CONFORMITY STATEMENT C. CERTIFICATE NO. B. KIND OF AGENCY A. AGENCY'S NAME AND ADDRESS ARS 4186 A1,354 P1 PR162 R1,283 AC1,283 H,2,364 U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC Flighteraft, Inc. 7505 N.E. Airport Way Portland, Or 97218 or and the second X CERTIFICATED REPAIR STATION MANUFACTURER D. I certify that the repair and/or alteration made to the unit(3) 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. SIGNATURE OF AUTHORIZED INDIVIDUAL Roland Milligan, Chief Inspector 5/6/86 7. APPROVAL FOR RETURN TO SERVICE Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED INSPECTION AUTHORIZATION MANUFACTURER FAA FLT. STANDARDS INSPECTOR CANADIAN DEPARTMENT
OF TRANSPORT INSPECTOR
OF AIRCRAFT ΒY REPAIR STATION FAA DESIGNEE SIGNATURE OF AUTHORIZED INDIVIDUALIDATE CERTIFICATE OR DATE OF APPROVAL OR DESIGNATION NO. REJECTION (8320) 5-6-86

FAA Form 337 (7-67)

NOTICE

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

8. DESCRIPTIO	N OF WORK ACCOMPLISHED (If more ionality and registration mark	space is required,	attach addi	tional sheets.	Identify with air-
	a Aim 289-1D directional	โรเลียลส \(กร _า ชส์ชตรย ป	6 32 ACE		
receive	r. Installed a KIng KI 2	26 RMI in pilot	s instrum	ent panel. I	he instrument
Instrume KNR 600	alled as per manufacturer ent is powered by a 1/2 a Nav receiver is mounted	mp inline fuse. in same place a	s KNR 660.	A, the same e	-
was use	d, installation was refer	enced to manual	P/N 006-	5005-06.	programme and a second of
Removed	AMI 200E D.G. electric o	iriven and insta	lled a D.	G., EDO-Aire	77 S N S 255
3 1 11	5 St. 184 Table 2 Co.	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ZIAKUSZYW KAL		Well STANCE
	d AC 43.12-2A, chapter 1,	paragraph 1, 4	thru ll.	9	C CEPTER CARCING
	and balance updated.	and the second control of the second control			
MININGE CE	1.09 Mar & Carrier	- END -			
•	* / ·	i dive			
1				•	
-					
24 1 11 14 14 14			1 1		
	45,05,050000000000000000	(As dorivins 4 to inon 3 po	nove) (parametric)	. 2010-2010-2010-2010-2010-2010-2010-2010	
		<u>,</u>	ر. رام د محسست شود		
4 - 54	A Section of American	And the second		Esting No.	
	3, 3	al repartment (a			
	에 가는 사람이 왜 현재				
<u>.</u>					and the second second second second
	C.S. Dept. of Agrange	1 - 61 103 WEIRE 9	y <u>a</u> Youngio	ज्यान होता कारण	and a second second
			2.0. 2	on 3623	FSDO
- 1	1450-159 on registration certi	(leate)	LADDRESS (A	OF THE BEST OF THE	HAND, CRECO!
9.75.50	83 S 16 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		редьочуны	157 - (0)	RIVED
010 No. 4% E	VIED COLEVENIA		2000)	AM MAY	8 1986
	" to Not prive the styles of their like it. See	- EV 5 43 8, 83 (2.43 A2)	pooligiaj sod	ve રાગિફાર્મિણામાં	Elfina PM
المستديد المشار	्र (पृष्टकार्य) चुक्का वृत्रकार्य	upallor, el Applie		OINSE	:
-	MANDO DENNA VE			ļ.,	<u> Calleran</u>
	POSTANDA LANGUA .	DDITIONAL SHEETS ARI	ATTACHED	Thinkely Burgerin	The section is a second
					- : : : : : : : : : : : : : : : : : : :

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1 FOR FAA USE ONLY OFFICE IDENTIFICATION

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

MODEL MAKE 500B Aero Commander 1. AIRCRAFT NATIONALITY AND REGISTRATION MARK SERIAL NO. N171Z 1450-159 ADDRESS (As shown on registration certificate) NAME (As shown on registration certificate) P.O. Box 3623 2. OWNER U. S. Dept. of Agriculture 97208 Portland, Oregon

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION 5. TYPE REPAIR MAKE UHIT ATION X AIRFRAME POWERPLANT PROPELLER APPLIANCE MANUFACTURER

6. CONFORMITY STATEMENT C. CERTIFICATE NO. B. KIND OF AGENCY A. AGENCY'S NAME AND ADDRESS U.S. CERTIFICATED MECHANIC ARS 4126 A1,3 & 4 P1 PR 1 & 2 R1,2 & 8 AC1,2 & 9 I1,2 & 8 Flightcraft, Inc. FOREIGN CERTIFICATED MECHANIC 7505 N.E. Airport Way CERTIFICATED REPAIR STATION 97218 Portland, Oregon 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.

SIGNATURE OF AUTHORIZED INDIVIDUAL DATE 03/19/86 og galle heneder 174

Roland Milligan Chief Inspector

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED OTHER (Specify)

FAA FLT. STANDARDS INSPECTION AUTHORIZATION MANUFACTURER CANADIAN DEPARTMENT BY OF TRANSPORT INSPECTOR OF AIRCRAFT REPAIR STATION FAA DESIGNEE SIGNATURE OF AUTHORIZED INDIVIDUAL ADVIOUS CERTIFICATE OR DATE OF APPROVAL OR DESIGNATION NO. REJECTION

ARS 4126 3-19-81

(3320)

FAA Form 337 (7-67)

NOTICE

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

B. DESCRIPTIO craft nat	N OF WORK ACCOMPLISHED (If more spa- ionality and registration mark and	ce is required, attach ad date work completed.);	ditional sheets. Id	dentify with air-
Antenna	d Dorne Margolan Nav Antenna a removed from vertical fin r was installed under antenn	and new antenna inst	alled on vertic	P/N 58-380114, al fin, a
,	13-2A, Chapter 3, Paragraph & Balance negligable.	A COMPANIES ON THE PROPERTY OF		of the profession with the contraction of the contr
202 202 5774	ecznic, Jakr 8.E. Morgart May end, Orogan 97216	# # # # # # # # # # # # # # # # # # #	H WARE	2012 4127 21 48.2 M 2014 57 2012 65 2012 53 54 31 31 21 24
	ACERCY E NUMBER AND ADDRESS	The state of volume of the control o	1964: <u>C</u>	CERTIFICATE 14.0
n eyncs	275-01-116453			
S. 1. 211150	A412			
 ما (المدائد المدائد الم المدائد المدائد المدا				
. अंशे (स.स. १५६) हिंदी	ibis maginasis asserbases (ve qu	scribed in Bonsit above processes	eggisterek koraspa Lymini (h. maki, m. 1882)	
	7 9911 13	esse Ethtovijos	A CENTRAL PROPERTY OF THE PROP	4 6 60
. 4 % 8288	1. 5 Dept. of Agriculture		EYURU DE OU TOUR BOEFS DO	
. इ.श.सम्	49.00 Contradictor 41.00 1450-159	AMORITANA	而语。 同量 别 语 们 。	y E D
1	ore not elegration of the term. See Nat.	as militare 43 Appended M. an	and the state of t	
\$	more MAIST REPAIR ANG (ARTERNO, Prope	CLANER THE	Outra Day	Program of Specification British of the con- train Manager Member George

☆U.S. GOVERNMENT PRINTING OFFICE: 1977-771-021/344

		FEDERAL AVIATION	ADMII	ORTATION	S. VAIVELLE The Common		orm Approved Budget Bureau	- No. 04-R	060.1
	MA	OR REPAIR A	NĎ	ALTERATION		·	FOR FAA		NLY
<u></u>	(Airframe,	Powerplant, P	rop	eller, or Applia	nce)		OFFICE IDENTIF		
INSTRUCT	TIONS: Print of	rupe all america.				d AC 43 0 1	NM-FS	<u> </u>	<u>-6 if</u>
for instructi	MAKE	tion of this form,			1 50 50 50		(or subsequent	revision	thereof)
1. AIRCRAFT	The second second	O COMMANDER	. S		MODEL	500B		7	-
12 AIRCHAI	SERIAL NO.				NATIONA		GISTRATION M	ARK	
		i0-159	-			N1712		. ,	
2. CWNER	U.S. DE	on registration certi	ficale 11T 1) 1912	ADDRESS	(As shown on	registration certi	ficate)	
		=				. box 362	3 28GON 9720	30	
1 5 5 6 5 a 5				3. FOR FAA USE ON	LY		25GOR 9720	20	
								•	·
					1111			•	
1			-						
									,
	· ·	4. U	NIT II	DENTIFICATION				5	TYPE
UNIT		MAKE	1.	MODEL	.	SER	IAL NO.	REPAIR	ALTER-
							` :	-	ATION
AIRFRAME	*****	***************************************	(As d	escribed in item 1 ab	ove)	•	••••		XXX
POWERPLANT					· .	T			┼
POWERPLANI				-			. f		
	-		_	<u> </u>	 	<u> </u>			<u> </u>
PROPELLER					-				
	TYPE					<u> </u>			1
APPLIANCE	٠,				_		7.	1	
ALLEIANGE	MANUFACTURER			•			4.5°		
				-					}
A. A	GENCY'S NAME	AND ADDRESS	6.	CONFORMITY STATEM					
AAR V	VESTERN SK	VIMAVE INC		U.S. CERTIFICATE	D OF AGE		E SER	IN SYLE	NO.
I UNILF	WO IRAKI	ME MODODE		FOREIGN CERTIFI			Airframe - Cl Powerplant - Propeller - C	ass 1, 3 Class 1, 2 ass 1, 2 & L	imited
- TROU	TDALE ORE	GON 97060		XX CERTIFICATED RE	PAIR STATION		Instrument - Radio - Class Limited Acce	Ciass 1, 2, 3, 1, 2, 3	. 4
D. I certify t	has the service	GOM 37060		MANUFACTURER:					
attachment and that th	is hereto have be the information f	nd/or alteration ma en made in accorda urnished herein is t	de to ncèv rue a	the unit(s) identify with the requirement of the beautiful to the beautifu	ied in item ts of Part 4 st of my k	4 above and 3 of the U.S.	l described on Federal Aviati	the reve on Regu	rse or lations
DATE	ليشفون المراجب المصدف فالأكام	e remediation		SIGNATURE OF					*
5-6-	- 85 (35),22 (3), 56)-735 (55)			1/1/1/1	/5//		OHIEF	INSPE	CLOH
Arthury .	- 200 E = 120 E		SAY.	files	repe	nard	ل رو ر دور دور	RSATTO	
			FIRU	VAL FOR RETURN TO	SERVICE	الكالمان الله الله الله	<u>- 46.0000</u>	Li Ca	
the Administra	tor of the Feder	n persons specified i	ratio	and is APPRO	In item 4 V	vas inspected EJECTED	in the manner	prescrib	ed by
BY FAA FU	I. STANDARDS	MANUFACTURER	-	INSPECTION AUTHORIZA	4 1 1 mg	OTHER (Specify)	-1-		
i I	ESIGNEE	REPAIR STATION		CANADIAN DEPARTMEN OF TRANSPORT INSPEC		<u> </u>	Lyse (m. 1 917). 1918 - 1918		
ATE OF APPRO	OVAL OR	CERTIFICATE OR	-	OF AIRCRAFT SIGNATURE OF AM	THORIZED	INDIVIDUAL	<u>aka taka je</u>	<u> </u>	
5-6-	oe .	RE4110	٠ ٨	lacke	3/2	les les	CHIEF	INSPE	CTOR
~~~					والمالي			RS4110	

. 7-

terra, gojužečivične raktorka difrice: for na

	985, 6-93					(03.50)
Weight An alter	and balance or ation must be le airworthines	compandle wi	itation change th all previous	TICE s shall be ente alterations to	red in the approp	oriate aircraft record I conformity with the
i js	A-distri (.					
8. DESCRIPT	ION OF WORK ACC ationality and	OMPLISHED (If mo registration mo	ore space is re- irk and date w	quired, attach ork completed		Identify with air-
CHAPT	IS PC-12VR S ER 11 SECS 2	ERIAL NUMBER .3.4 AND 7 C	397A. INSTA	LLED IN ACCO	R AT STATION 9 ORDANCE WITH A 5. The weight	0.0 MODEL OF
ga, 1 seedil astroba 	reade process sources	andrae often blah be umade in 100 behilibed accelu	in one of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the legion of the le	BD. po pole or m	Auto de de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition de la composition della composition della composition della composition della composition della composition dell	They work on grating trade (14) was a way was they
	Haliba, da da Medical Medical Investigation			A 19 (BOS) 1 Office Provide Area 1914 Clara Propagation of 2 Office Propagation of 1 Office Propagation	2255 2015 (2) (2) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	
vibering	Version circle					
Property.						
etisas ireks	4				\$ . T. A.	
MakiriMz	2	z haza tuz (parlanc	न्द्रीय स्वास्त्राच्या है। है। प्राथित स्वास्त्राच्या है।		All of All Control of	
		3.7			्री क्षान्त का अपन	262917 Sun
2 0/AMET	Mar institut Name les élore	n raisedearsii A (G) Wertor	recol	<b>2.0</b> 0 €	Partin Conscio Parting The plant of the parting	
े शिक्षांब्रह्मच	MAKS 77380 529M, HO. 1450	-129 Christians			FSD ORES	on E
TOURLESSE TOURLESSE	ons the filterstein	a of this form.	า ราชราสเซาสร้างก็เกิด	One of the same of L	11 1/1/1/1/19 19	85 PM
1	(Maricine, 1	Constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the consti	despertation se	ing proje	7 8 9 10 11 12 1	2  4  4  4  4  4  4  4  4  4  4  4  4
	<u> </u>	DEPARTATE FA	DDITIONAL SHEET	S ARE ATTACHE	bungar in	स्टब्ल्स् इन्द्रास्य देखा सन्दर्भक्षण्या ।

**☆U.S. GOVERNMENT PRINTING OFFICE: 1977-771-021/344** 

			· ·		-,	ಕ್ಷಣಾ ಅರವಿಕಾಣಗ	esa kérakan	\$1\$ \$ 1.5E   2 + 5	Vita 🕶
		PARTMENT OF TR		ON STATE	IB NULL CHE		m Approved lget Bureau l	No. 04-R0	60.1
		REPAIR AI					FOR FAA	USE ON	LY
	(Airframe, Pow					OFI	ICE IDENTIFI	CATION	
<u> </u>	<del></del>						M- 5-88		
INSTRUCT	TIONS: Print or type all ions and disposition of	l entries. Sec this form.	FAR 43	.9, FAR 43 Ap	pendix B, and	AC 43.9-1 (c	r subsequent	revision t	hereof)
1. AIRCRAFT	MAKE AERO CON	MANDER			MODEL	500B	-		
- Amelon I	SERIAL NO. 1450-15	9		***	NATIONAL	ITY AND REGI	STRATION M	ARK	
	NAME (As shown on re	gistration certi	ficate)		ADDRESS (	As shown on reg	gistration cert	ificate)	
2. OWNER	U.S. DEPT.	OF AGRICU	LTURE			D. BOX 362		na .	
- 0			3. (	FOR FAA USE (	HLY				-
		DESC AUTH	ORTHINESS	REQUIREMENTS RAFT SUBJECT 1 FAR 43.7	AND IS APPRO	MPLIES WITH AP VED ONLY FOR TH INSPECTION BY	E ABOVE		-
		:	Date	FAA	Inspector, NW	-6580-60		· .	
	· -	4. UI	NIT IDENT	IFICATION			<u> </u>	5.	TYPE -
UNIT	MAKE			MODEL		SERIA	L NO.	REPAIR	ALTER- ATION
AIRFRAME	***************************************	***************************************	(As descri	bed in item 1	pove)	••••••	•••		жжж
POWERPLANT									
PROPELLER									
	TYPE		<u> </u>	<del></del>				1.	_
APPLIANCE	MANUFACTURER	<u> </u>			-		a T		
		<u> </u>	<u> </u>			<u> </u>		<u> </u>	
	GENCY'S NAME AND	ADDRESS	6. CUN	FORMITY STAT			r		
<del>- AAR W</del>	ESTERN SKYWAY	C INC			ND OF AGE		R. S. 4	RTIFICATE	NO.
ากัสสาร	MD TROUTENE	o. 11/17.			IFICATED MECHANIC		Airtrame Cla	-ss 1, 3	
TROUT	ND TROUTDALE / FDALE, OREGON-	41KPOR1∞ 97060≈	Little X		REPAIR STATION		Powerplant - Propeller - Cia Instrument - C Radio - Class Umited Acces	llass 1, 2, 3, 4	ited j • j •
D. I certify	that the repair and/or its hereto have been m the information furnish	alteration ma	ance with	e unit(s) ider	tified in item	13 of the U.S.	described or Federal Aviat	n the reve	latione
5-6-8	Them telay syst entropy and	AN LADOLAN		GNATURE OF		<u> </u>	IEE COOR	, adatu morio morio i	Bi. Bil.
				FOR RETURN		· · · · · · · · · · · · · · · · · · ·	7 <b>y</b>	: . := <=	Sept.
Pursuant to t	the authority given pers	ons specified	below, d	e unit identif	ed in item 4	was inspected	in the manne	er prescrib	ed by

CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT SIGNATURE OF AUTH

5-6-85 FAA Form 337 (7-67)

DATE OF APPROVAL OR REJECTION

BY

FAA FLT. STANDARDS INSPECTOR

FAA DESIGNEE

MANUFACTURER

REPAIR STATION

CERTIFICATE OR DESIGNATION NO. RS4110

(8320)

AUMORIZED INDIVIDUAL CHIEF INSPECTOR

ESWELTON:	Printer.	jarato Gregorino	NOTIC	<b>E</b>		on the	100
Weight of	and balance or opera	atina limitatio	n changes ch	-11 6	d in the approp	oriate aircraft	record.
	ation must be compo le airworthiness requi		previous aire	erations to a	ssure continued	conformity w	vith the
	1.7		A Charles on the late	\$ 150 \$ 10 m			
8. DESCRIPTI	ION OF WORK ACCOMPLISH	IFD (If more sp	ace is require	d attach as	Julius and Thomas	F-F - 40 E	
craft no	ationality and registre	ation mark an	d'date work	completed.)	IOMIONOL SHEELS.	laentity.wii	th airs .
INSTA	LLED APOLIO II MO	DBL 612 WIT	H A-16 LOR	IN RECEIVE	E C ANTENNA I	P/N 430-0035	5 <b>-</b> 00.
USING	THREE RELAY SYST	ERM MOUNTED	BRHIND CO-	SCIEVER IN	TERFACED TO	2 NAV. INDI	CATOR,
TO CHIT	TOU HAD DEUE ANNU	INCLATOR LIG	HT MODETED	DV THE BY	BURRY TRIDE		
TOTAL	C 12 NOT CONNECT	CED TO AUTO-	PILOT OF BI	TORR COMM	DOT OWOMOW AN	T 74	
- AND 7	. CHAPTER 15 SECS	WORK DONE I	N ACCORDANC	CHARMERS	13:13-1A CHAI	PTER 11 SECS	2,3,4
FERMORI	WITHKERD SERVIFIC	ATIONS THE	WRIGHT AND	) RATAINT 7	NID POSTEDNESS	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
THIS	INSTALLATION WAS	ACCOMPLISHE	D WE TEST	ED IN ACCOU	MONCE WITH !	. 1487 жаз а м. 20-121 ar	MENUS.
			- THE END-	Table of the second			
	YOUNG THE WIS	Process .	- harry language and a second	Yana Carvol		he bilanen	f Cigar
	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon						
es to Para carra	1 10 MENTER AT						
Talan di Amara. A							. ]
شد المدايد	LICE CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF		المناف المتعالم المتعالم المتعالم المتعالم المتعالم المتعالم المتعالم المتعالم المتعالم المتعالم المتعالم المتعالم			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
addigys					<u> </u>		1
n nga seri salah salah salah salah salah salah salah salah salah salah salah salah salah salah salah salah sal Salah salah sa							1
			· · · · · · · · · · · · · · · · · · ·			<u> </u>	100
rai essi, ti ci ti are						Commons	
		<u>ئىدىلى ئىدىسى</u>			للسفاء فسراء فبأده مستعوبي		·
Bulletin,	to the continue service	nd oraștyku	easy of the flower.	7 0 - 1) 5 - 15 - 125	au (. 65 turburungan) la		igni
	ļ	en erement ja eine			والمرابع والمستوان والمستوان	-	
10.11	100		\$ comple		1977 - 1977 - 1977 - 1978 1971 - 1971 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978 - 1978		17M807
		Tall W	r ingayar	•			alliet.
-			478 - Beig	lastroctor, Mil "-	English Cold		
		1	F. B. C.	7577	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	<b>185</b> -	
		*Alkidentes	# (VE 12)			المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظ المنظم المنظم	<b>-</b>
		. Dercuserb :	\$P\$\$P\$14.4 和 2/2012年代5日	to COMECHYMIA a	TEFTHOU DE Y ETER U CHTA EOU HIE YEQ	34. * =	
				en berialigi	NES AUTHARDICA	A1	
			1 502 EDA 67 1	AND TEORIS	atkęsi ^a Tereira.	, —, <del>—, , , , , , , , , , , , , , , , ,</del>	-
Oxinti	u.d. darry. or			d : 5.6.	The west of	Marine Commence	
	MARKE (And Lower On regist	The second making may be an increasing a party of the party and	- 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Table - 1 Ta		ะ ราวาร - รามาเกษาสมเหา		•
(	୍ଟିଟ୍ଟିଫ <del>଼</del> ଖିଅଛି । ମଧ୍ୟକ ଜନ			e na	TATE OF		- (
ARGMRT	MALE COLLE		پنجائد سیستمار ک	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	r-Aser Registrati	CHI NOTE I	·
	17.1	<u> </u>		Two sar	003		() .
openina) ac NONVESS	er sug quinculou of the COMP book of Planck of	E \$645 E.T.	neer Section to the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o		يتبير للمستسلمة فالماد		
	COMENTATION OF THE SHEET				the water property operation of the second section is seen as	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	nasty.
	Chiling Seven			printer in the			
	,	Wall Vikide en Wantou verede en	•		1.00 m	araniovach Terr von Stat	<del></del>

÷U.S. GOVERNMENT PRINTING OFFICE: 1977-771-021/344

e y z ^s	DEPARTMENT FEDERAL AVIA	OF TRANSPO	RTATION STATION	PARACHÉE		Form Approved Budget Bureau N	lo. 04-R0	60.1
•	MAJOR REPAI					FOR FAA		
	(Airframe, Powerplan	nt Prope	der er Applier		· [	OFFICE IDENTIFI	CATION	
INICEPATO						MW-ESG	P0-0	54
for instruc	TIONS: Print or type all entries tions and disposition of this for	m.	43.9, FAR 43 Appe	endix B, and	AC 43.9-1	(or subsequent	revision	thereof)
	MAKE Aero-Commander			MODEL	500B		- '-	-
1. AIRCRAFT	SERIAL NO.			NATIONALI		GISTRATION M	ARK	<u> </u>
· ·	NAME (As shown on registration			ADDRESS (	N171Z		<u> </u>	
2. OWNER	U.S. Department of		.	P.O. Bo	ox 3623	registration certif	ficate)	- ' '
	0.5. Department of	Agricui			d, Oreg	on 97208	<u> </u>	<u>.</u>
		<del></del> .	3. FOR FAA USE ON	LY	<u> </u>			
							-	
					1.	-		
						mestro i seri		
		7		4. 1. 1. 1.			· ·	
•.		4. UNIT IC	ENTIFICATION				5	TYPE
UNIT	MAKE		MODEL		SEI	IAL NO.	REPAIR	ALTER-
		<u>_</u>	<del></del>			*	- I	ATION
AIRFRAME	***************************************	March (As de	sscribed in item 1 abo	ove)	•	••••		X
				· · · · · · · · · · · · · · · · · · ·			<u> </u>	
POWERPLANT	r			,	1.	-	i.	
· · · · · · · · · · · · · · · · · · ·					<b>-</b>		. ,	
PROPELLER								
					-		i.	
	TYPE				<del></del>			
APPLIANCE	MANUFACTURER		Jana Garage	t				
						•		- 1
	1	6.	CONFORMITY STATEM	ENT				l
	AGENCY'S NAME AND ADDRE	5\$		OF AGEN		C. CERT	TIFICATE	NO.
Jack D.			FOREIGN CERTIFICATE			┙	3	-
Rend OF	1ghtenwood Lane 97702		CERTIFICATED RE		· .	A/P 2210	6506	
Denti, Ob	37702	161.	MANUFACTURER		<del></del> -	-		
D. I certify	that the repair and/or alterations hereto have been made in a	on made to	the unit(s) identify the the tention	ned in item	4 above an	d described on	the reve	rse or
	the information furnished here	in is true a	nd correct to the be	st of my kn	owiedge.	. I catili Aviili	on Regu	ations
DATE	* **		SIGNATURE OF A	UTHORIZED	INDIVIDUAL			,
12-3	1-62 - 0 0080 SCI	1 71	sack	0/8/1	War /	. • 1		
-			VAL FOR RETURN TO				<del></del>	
Pursuant to	the authority given persons spec trator of the Federal Aviation Ad	ified below	, the unit identified a snd is XX APPRO	in item 4 w	as inspected	in the manner	prescrib	ed by
FAA	FLT, STANDARDS MANUFACTURES	1	INSPECTION AUTHORIZA		THER (Specify)	ing in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the secon		
- 1 1	DESIGNEE REPAIR STATIO	N T	CANADIAN DEPARTMEN OF TRANSPORT INSPEC OF AIRCRAFT	TOR		The second second		<b></b> .
ATE OF APP	ROVAL OR CERTIFICATE DESIGNATIO			UTHORIZED	INDIAIDNY			
2-16-8			Soil	D Sh	Wax			
					_			

(8320)

## NOTICE

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

8. DESCRIPTION	ON OF WORK ACCOMPLISHED (If more space is required, attach additional sheets.	Identify with air-
S.T.C	. #SA1799NM:	ittigen och udgi tadt til tig. Språke kvir tenn til som och til
Instal	L Loran C Model 502B S/N 314 Wt. 6.7 lb. at station 28.5" &	المرابي المرابيين والمواجعة
140 (11)	a motali o model 5025 8/1 514 WE. 6.7 15. at station 28.5	
Com. a	ntenna 121 S.P., Wt. Q7 lb. at station 104"	
Inetal	Lation accomplished in accordance with I.A.W. 43.13-1.A, Chapt	<u>ंच्</u> क प्रदर्भ सुर्वे अध्यक्ष
	Type of the state	er, up promonente. Antique
Section	n 6 and 43.13-2A Chapters 1, 2, and 3	
- 경영합니다 최수 - 항취되다. <u>원</u> 조.	회사회에 가게 한 전에 가는 사람들이 나는 사람들이 가는 사람들이 가는 그는 사람들이 있다. 그런 사람들이 가지 않는데 그렇게 다 가게 되었다.	MARKORG D.
	weight and balance.	interpretation and an interpretation of the second section of the section of the second section of the section of the second section of the second section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sect
and the second second		
::-(>::= \	THE END	
A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA		
ing Proprietation		
		menden som in enskape og sig for i gren i sig sig for i gren sig sig for i gren i sig sig sig sig sig sig sig sig sig s
ार्थिकी ध्रोपः स् र		
A-1-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	on the second second second second second second second second second second second second second second second	
1 #1 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /		
	الرائيان والمنافض أأناك والمداور والرابع والمشتمان والمعادا أوالم للتجميد للطالبيني الألحاء سأبدع لغ	
	and the control of the property of the first the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	
	생물이 하여 취임되지않았다. 그렇게 동물 입으로 여러워 내용	
	이렇게 가장이 되었다. 그들은 그렇도 사람들이 있는데 아무슨데 그렇다.	
		interior de la companya de la companya de la companya de la companya de la companya de la companya de la compa La companya de la co
		3
a managar and a second		enter a de la constanta de la
in solution	u.n. regenigera of Lyrioniting . Source and Corn en Syrio	State of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state
·		eld open
न शतक्रसी 🏻	SERVE AND THE PROPERTY OF THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY AND THE PROPERTY A	ing Problems
الماريض للرامية فيحادث والمحادث والماء	왕석부 그는 그 이 이 이름은 일반의 본이 나는 발하는데 그를 모모됐는데 기계하는 나는 이 이	
	er and the standard of the standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard of the standard standard standard of the standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard standard st	in in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of
·	programme and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	
	The same of the first that the same of the same of the same of the same of the same of the same of the same of	intryde befigliog i did i
-	ADDITIONAL SHEETS ARE ATTACHED	하는 것이 있었다. 단점하는 기계 :
C FAA AG	2-6157	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

				7-5-1	-€	) 11TH	mi	1,2
	DEPARTMENT OF TRANSPORTED FEDERAL AVIATION ADMINIMATE MAJOR REPAIR AND (Airframe, Powerplant, Property)	ALTER	ATION	ECFAVE VLIF DIED JUN L WE-GA	1501	Form Approve Budget Burea. FOR FA	d u No. 04–R0 4A USE ON	60.1
INSTRUCT	TIONS: Print or type all entries See FAI				16.42.0	4	<u> </u>	<u>.                                    </u>
for instruct	MAKE			<u> </u>	AC 43.9-	-1 (or subsequi	ent revision	thereof)
1. AIRCRAFT	Aero Commander			MODEL 500				
	SERIAL NO. 1450-159		N	IATIONALII N1	Y AND	REGISTRATION	MARK	
2. OWNER	NAME (As shown on registration certificate	)	A	DDRESS (A	s shown o	n registration of	ertificate)	
	U.S. DEPT. OF AGRICUL			Portl	and,	Oregon	9720	8
	<u>수 있는 것이 하면 있었는 것이 가장 하는 것 같다. 그 것</u> 한 사람들은 사람들이 나는 사용하는 것 같다.	3. FOR	FAA USE ONLY					
		DENTIFICA						
TINU	4. UNIT II	<u>DENTIFIC</u> A	MODEL		, ;		5.	TYPE
			MODEL			SERIAL NO.	REPAIR	ALTER- ATION
AIRFRAME	**************************************	escribed i	in item 1 above	e) *******	••••••	******	.	x
POWERPLANT								Α.
PROPELLER	TYPE							
APPLIANCE	MANUFACTURER							
Α. Α	GENCY'S NAME AND ADDRESS	CONFORM	ALTY STATEMEN					
	•	X U.S	B. KIND	OF AGEN		c. c	ERTIFICATE	NO.
7401 H	B. McGregor Layvenhurst Place Lys, California 91406	FOI	REIGN CERTIFICA RTIFICATED REPAINUFACTURER	TED MECHAN		A&:P	2172675	5
and that i	that the repair and/or alteration made to its hereto have been made in accordance the information furnished herein is true a	the uni with the and corre	it(s) identified requirements ct to the best	d in item of Part 43 of my kno	above of the L wledge.	and described J.S. Federal Av	on the reve iation Regul	rse or lations
S/EY	School etgibe son to the	Kar	TURE OF AUT	(CO) ST	DUS NDIÀIDN	AL NC 21720	2TC	
5 6 35 15 7	he authority given persons specified below ator of the Federal Aviation Administratio		RETURN TO SI	item 4 wa ED RI	JECTED		ner prescrib	ed by
BY INSPE	DESIGNEE REPAIR STATION	CANADIA	ON AUTHORIZATION DEPARTMENT	JN	THER (Speci	k).		
DATE OF APPR REJECTION	OVALIOR & CL. CERTIFICATE OR COLUMN NO.	OF AIRCE	URE OF AUT		INDIVIDU	JAL ( )		<u>.</u>
5-,	21-81 1731069	Pet	te Regin	ia 📗	Ter	E 1	agine	
FAA Form 3:	37 (7-67) ☆ U.S. Government Printing O	ffice 1977	772.646/141			7	/ /2	320)

(8320)

8-7-85

ing yi barw T	387 (7-67)	A STATE OF CHILDREN	- (4) 등의 중합하여 3월(일) 	i Bertinda (dilata) <del>Lista da da da da da da da da</del>	erikan dan dia	ورد فراد وجوار ودر	[Table (1530)]
raistriosi er	37 - 57	F IDENCIMATION   TAY STANKED		TICE			
An aiter	ation must be	compatible with	tation changes h all previous	shall be e alteration	ntered in th s to assure o	e appropriate continued con	0260: Balance
applicab	le airworthine	s requirements.	496 21844 2011 - 1474147 11	ndel e Assiste <u>na la graphe</u>			
8. DESCRIPT	ION OF WORK AC	OMPLISHED (If mo	re'space is re	wired atte	ch addition	al chapte Id	
craft n	ationality and	registration ma	k and date w	ork comple	ted.)	ur sneers nu Per Potrog ja na ma	eniny: wirn-dir- :: ama hiersepet p)
Modif	ication of	fuselage	for instal	lation	of aeria	l_survey.	Ogmoria
and n	avigation	sight according 1970.	ding to $\mathbb{N}$	laster D	rawing T.	ist MDT. 6	0260
enter	ed into A	ircraft Fli	gnt Manua			ignt and	Balance
normalista por la estado	reers wheely print Fig. 1927 wheel	gandur introgi, igasenterius manti casa impirio introgica	NOTHING	FOLLOWS		ringent <u>ing</u>	ention Catabalists
		Kornta 9240	tropa i norde troningo 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			· · · · · · · · · · · · · · · · · · ·
IONS:	(Rayventur	mad Places -					5745040
و چام زودهی در در مادر ۱ درخان و ا	- 4 - 5 <del></del> 1 - 6 2				. 1909: K <del>illa</del> nd 23. 1938: 1		es l'en company de la la la la la la la la la la la la la
<u> </u>	AGENCY'S, ILLY	R MED WESTER		. si yari (c Namara			CEUILLIC VED 4-0
,	varmivelesse.						
APPLIAHOU							
	7,23,74	وريش بينو تيسيسي والمساوي				<u>///</u>	
ETOUTTEE.						137	
<u>-</u>							
ne Nations	-					,,,	
n a <b>l</b> Uvivis .	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ได้ ไม่เห็นสากที่สนใหญ่	Tillian angaraga Lagrangan	Tarang Crease) r	: : ::::::::::::::::::::::::::::::::::	Total (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. ) (T. )	,
			ادار داداد از دانید مسید				
Att.,		NAME		MUSELL S. L		-3-44-C	
•						<b>3</b>	,
		region of real persons of a region of the real persons of the					
•							
			31.437.792	ing court			
) OANES		PT. OF AGRE			oranicae,		9,4508
		(1729) en replationien eeri	(cc(a)	353			A Mile Commission of the Commi
MAINT.	1220131 20	حذرت والمتعلق المستعثب				KEGIBINANG 1	MARG
	I MAKE	o Gomanfidor	in to with a fit.	19.00	2000		
INSTRUC	rions: Print or : ions and deposit	yve all engries. Sec on of this form.	FEVER SERVICE	de Vabaniga	ng thiệ thệ từ c	-1 (ûr dapakelê)	ign central least stress discount of
	F4Victories	Perezeptanij iji	हिन्द्रिक्ष केर्		Z-internet	and the tip terminal and the second of the tip the	-6-61
	WVI	IV HERVET PUTUE V HERVANN PUTUE		om santinita i alli Hidda (oligina) Ni alini i antini	atus, hogh til hadtisk i 1 Till store i 1 Till store i 1	Por State	Marked States (1)
	<u> </u>		DDITIONAL SHE		CHED	Fine April &	The strategies

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY OFFICE IDENTIFICATION NW-GADO-3

INSTRUCTIONS: Prin for instructions and dis	t or type all entries. position of this form,	See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision	thereof)
MAKE	PPO COMMANDED	MODEL	4

1. AIRCRAFT SERIAL NO. NATIONALITY AND REGISTRATION MARK 1450-159 N171Z NAME (As shown on registration certificate) ADDRESS (As shown on registration certificate) 2. OWNER U.S. DEPT. OF AGRICULTURE P. O. BOX 3623 PORTIAND, OREGON 97208

3. FOR FAA USE ONLY

		NIT IDENTIFICATION	5.	TYPE
UNIT	MAKE	MODEL SERIAL NO.	REPAIR	ALTER-
AIRFRAME		(As described in item 1 above)		жж
POWERPLANT				
PROPELLER				
APPLIANCE	MANUFACTURER		e je Ng	
	······································			

CONFORMITY STATEMENT A AGENCY'S NAME AND ADDRESS WESTERN SKYWAYS, INC. PORTLAND-TROUTDALE AIRPORT TROUTDALE, OREGON F.A.A. APPROVED REPAIR STATION No. 4110 CERTIFICATE NO.
R. 5: 4110.
Airframe - Class 1, 3
Powarplant - Class 1, 2
Propeller - Class 1, 2
Instrument - Class 1, 2
A 4
Instrument - Class 1, 2
A 4
Instrument - Class 1, 2
A 5
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Class 1, 2
A 7
Instrument - Clas B. KIND OF AGENCY U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION 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.

SIGNATURE OF AUTHORIZED INDIVIDUAL 2-4-80

Philip I Pette 7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED FAA FLT, STANDARDS OTHER (Specify) MANUFACTURER INSPECTION AUTHORIZATION ΒY

CANADIAN DEPARTMENT
OF TRANSPORT INSPECTOR
OF AIRCRAFT FAA DESIGNEE REPAIR STATION DATE OF APPROVAL OR REJECTION 2-4-80 CERTIFICATE OR SIGNATURE OF AUTHORIZED INDIVIDUAL ASST. CHIEF

DESIGNATION NO. RS 4110 SPECTOR RS4110 FAA Form 337 (7-67) (8320) ☆ U.S. Government Printing Office 1977-772-646/141

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.

	أسيست بالمستحدث والمستحدث			region of the second	
INSTALLED (	ONE EACH WULFSBUR	G FLITEFONE 4	O SYSTEM CC	NSTOTNE OF	NR DALIC
RECEIVER-TH	RANSMITTER AND ON	E C-120 CONTR	OL UNIT. 1	NSTALLED ASS	CTATEN
ANTENNA. 7	LL WORK DONE IN	ACCORDANCE WI	TH AC43:13-	1A CHAPTER 1	1 cpcc
MANUFACTURE	CHAPTER 15 SEC RS SPECIFICATION	S 3 AND 6, AC	43:13-2 CHA	PTER 2,3 AND	13, AND
AMENDED CUI	RENTLY. THE END			MD POOTEMENT	mara
1.754.41 1. <del>1. 1.454.41</del>		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			
					iteranden j
	المستناس واستنساب سندود سراح				
्रा ्री बर्गाक्षेत्र टाक					
		化自由压力		1 /	
ببنشر محكوليد	andra de la companya br>De la companya de la				
VISITE TO THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STAT					
					أراضع ماأت أناه أر
	estos la socialidad la La companya de la co	Cox elektrik ing pilagan		yvi i is teoda tett	
			-/		
	with the second			🍅 💛 Sagar es	
				rg er og grænne skriver og som en som en som en som en som en som en skriver og som en skriver og som en skriver og som en skriver og som en skriver og som en skriver og som en skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og skriver og	
44 - 17 - 17 - 17 - 17 - 17 - 17 - 17 -					tis megalera a sekata a sebesaria. Anggaran
		21 109 100/10			
		ىنىڭ (بۇرىمىد ئىلىدى» ئاسى سىنىد ئالىرى			
i i eretit	TOTAL STEER COMMENTS				GADO.
1814 151 155	A societachen men			D)-Œ	GETV
				$\mathbb{N}_{\sim}$ . $\mathbb{N}_{\sim}$	EED ~ F
	ara ranganana ini	غازلىق ئى ئالىرى بالكرام بى خىسى جىسى ئام ئالىرى ئالىرى بىلارى بىلارى يالىرى		AM .	5 1980
		بنيك وترك فالمناوب بالمناوب		7,8,9	10 11 12 4 2 3 ₄
TIONS NAME	rock evice all ancelos, i boc nochamic at blevilation.		resident before Zefferen before	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	o kangar basasan sana
		3.4		14 The Section	
e varietii. Saara	Managara Ma				mentional a
		en i namena, e serie di Montone, e di 1985 v.e.			Ja 17 La Line LONE I
and the first section of	STOROW VARABOR W	bwaa salvelaa T	2、高斯亚克斯度	ti i trans e de la familia e manda per	tres a tre de esce

				A STATE OF STATE		rangi dan di jabah dan Kalangi dan di jabah	<u> </u>	
ا المح		DEPARTMENT OF TRAN				Form Approved Budget Bureau 1	No. 04-R06	0.1
		OR REPAIR ANI					USE ONI	
		Powerplant, Pro			ice)	OFFICE IDENTIF	CATION D0-8	
INSTRUCT	IONS: Print or ty	pe all entries. See I	AR	43.9, FAR 43 Appe	endix B, and AC 43.	9-1 (or subsequent	revision th	nereof)
11.	MAKE				MODEL		· · · · · · · · · · · · · · · · · · ·	
T. AIRCRAFT	SERIAL NO.	COMMANDER	er ann		500B NATIONALITY AND	DECISTRATION A	ADE	<u> </u>
	1450-	159			N171:		AKX	
2. OWNER		on registration certific	ate)		ADDRESS (As shown	on registration cert	ficate)	
2. Office	U.S. FORES	T SERVICE	• • •		P.O. BOX 362 PORTLAND, OF		$\{H\}_{n\geq 0}$	
				3. FOR FAA USE ON	LY .		-0.88	
		4 UNI	T ID	ENTIFICATION			<u> </u>	
TINU		AKE		MODEL		SERIAL NO.	- 5. T	
			<u> </u>			SEATO.	REPAIR	NION
AIRFRAME	*****	******************* (A	s de	scribed in item 1 ab	ove) <i>************************************</i>	******		XX
POWERPLANT							5	
PROPELLER								
APPLIANCE	MANUFACTURER							
			6,	ONFORMITY STATEM		a saya a saya a	<u> </u>	~
- WE	STERIO SKVIK	AND ADDRESS	<del></del>	B. KIN	D OF AGENCY		TIFICATE I	
	TROUTDALE	LE AIRPORT	* *	<del></del>	ICATED MECHANIC	Airframe - (	lass 1, 3 Class 1, 2	
F.A.A	· AFFRUVED REP	AIR STATION	1 1.2 - (5)	CERTIFICATED RE		Instrument - Radio - Clas	lass 1, 3 Class 1, 2 lass 1, 2 & Lim Class 1, 2, 3, 4 s 1, 2, 3 essory	ited
D. I certify	that the repair an	d/or alteration mad en made in accordan irnished herein is tri	e to	the unit(s) identi	fied in item 4 abov	e and described o		
DATE					UTHORIZED INDIVI		n e e e e e e e e e e e e e e e e e e e	
·	1-14-80			James	1 & Mc	Lucer -		
Pursuage e-	he authorize			//				
		persons specified be Il Aviation Administr	ation	and is APPR			r prescribe	d by
	FLT. STANDARDS ECTOR	MANUFACTURER		INSPECTION AUTHORIZ		secify)	ng garan ang Sigal Santan panggapanan Santanan	
	DESIGNEE XX	REPAIR STATION	<u>.</u> ; .	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR AIRCRAFT	CTOR	minima compe	<u> </u>	1 4 27
REJECTION	ROVAL, OR to the T	CERTIFICATE OR DESIGNATION NO.		SIGNATURE OF A	UTHORIZED INDIVI	DUALTODERCE OF	r chi	
1-14	-80	RS 4110	J	Homeson	# FWall	INISPEC		2/110

FAA Form 337 (7-67)

☆ U.S. Government Printing Office 1977—772-646/141

(8320)

## NOTICE

หรับสูติที่ สอสมาริสมุติ จากการที่สัญ ฮิสมุติ

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 ONE EACH KING KNR-600 MAY RECEIVER, KNI-580 ADP INDICATOR AND ONE ALLEN RCA 11A-10 DIRECTIONAL GYRO. INSTALLED ONE KING KWR-660A NAV RECEIVER. INSTALLED ONE EACH AIM 289-1D SLAVED RMI, AIM 254-11 FLUX DETECTOR AND SLAVING METER. INSTALLED ONE EACH COLLINS ALT-55B RADAR ALTIMETER RT, ALI-55A RADAR ALTIMETER INDICATOR AND TWO COLLINS ANT-50A RADAR ALTIMETER ANTENNAS. ALL WORK DONE IN ACCORDANCE WITH AC 43:13-12 CHAPTER 11 SECS 2,3,4 AMD 7 CHAPTER 15 SECS 3 AND 6, AC 43:13-2 CHAPTER 2,3 AND 13 AND HANUFACTURERS-SPECIFICATIONS. WEIGHT AND BALANCE AND EQUIPMENT LISTS AMENDED CURRENTLY. THE EAD. PORTLAND, OREGON y Albertani ji Basali da karantara kujira

ADDITIONAL SHEETS ARE ATTACHED

	D MENT OF TRAI	NSPORTATION SHEELS YES	ATTACHED (	Form Approved Budges Bureau N	o. 04-R06	0.1
× .				FOR FAA		
	MAJOR REPAIR AN (Airframe, Powerplant, Pro	•	ce)	OFFICE IDENTIFIC		:
INSTRUCT for instructi	IONS: Print or type all entries. See ons and disposition of this form.	FAR 43.9, FAR 43 Appe	ndix B, and AC 43.9-	1 (or subsequent	revision th	ereof)
ī. AIRCRAFT	MAKE Aero Commander	MODEL 500 B			•.	
	SERIAL NO. 1450-159		NATIONALITY AND N171Z	S. A.		
2. OWNER	NAME (As shown on registration certifity U.S. Dept. of Agr.	ADDRESS (As shown of P.O. BO	x 3623	*		
<del></del> _		3. FOR FAA USE ON		d, Oregon 9	7208	· · ·
<del></del>		O. TOR THAT USE UN	••	<del></del>		
	4 00	UT IDENTIFICATION		, <del>a</del> 1	т	
	- 3. <b>4.</b> UJ	IIT IDENTIFICATION		<del></del>	5. 1	
UNIT	MAKE	AODEL .		SERIAL NO.	REPAIR	ALTER- ATION
AIRFRAME	•••••••••••••••••••••••••••••••••••••••	As described in item 1 ab	ove)************************************			х
POWERPLANT						
PROPELLER	y Hav		- :			
	ТҮРЕ					
APPLIANCE	MANUFACTURER	÷ -			, 1	
		6. CONFORMITY STATES	AENT			
	AGENCY'S NAME AND ADDRESS		ID OF AGENCY		RTIFICATE	NO.
Po: TaA	RN SKYWAYS, INC.  ND-TROUTDALE AIRPORT  OUTDALE, OREGON  PROVED REPAIR STATION  TO THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROVENTION OF THE PROPORT OF THE PROVENTION OF THE PROPORT OF THE PROPORT OF THE PROPOR	U.S. CERTIFICATE FOREIGN CERTIFICATED R MANUFACTURES	FICATED MECHANIC	R. S. 4 Airfinge - Clay Powernlant - Proceeds - Class Innin d Acc.	1 7 0. 255 1, 3 Class 1, 2 255 1, 2 2 Lim Class 2, 2, 3, 4 1, 2, 3 35374	ited
attachme	No. 4110  that the repair and/or alteration manual manual maccord the information furnished herein is	ade to the unit(s) ident	ified in item 4 above	U.S. Federal Avia	n the reve	rse or lations
DATE	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	SIGNATURE OF	AUTHORIZED INDIVID	UAL STATE TO STATE		
-	10/21/77	APPROVAL FOR RETURN TO	O' SERVICE			,
Pursuant to	the authority given persons specified trator of the Federal Aviation Adminis	below, the unit identifie	d in item 4 was inspe	ected in the manne	er prescrib	ed by
FAA	FLT. STANDARDS (3 MANUFACTURER MANUFACTURER	INSPECTION AUTHORI	ZATION OTHER (Sp	ecify) ^{a Cit} a (Cita o	Stewarts -	
	DESIGNEE XX REPAIR STATION	CANADIAN DEPARTMOSF TRANSPORT INSP		pratoso accinio		
DATE OF APP REJECTION	DESIGNATION NO	SIGNATURE OF	AUTHORIZED INDIVII	ASSI	r. CHIE	F
	10/21/77 4110	Neunet	the France	MONSPECT	EOR RS	4116

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.

	ore space is required, attach additional sheetsidentity_with_dir- ark and date work completed())science in the remove Liceaupic p) it is the manufacture of the large parties of the completed points.
Removed King KNI520	VOR/LOC/GS Indicator, Comco 582 Air Net System, stem and Standard Directional Gyro and Horizon.
Installed Bendix FCS with STC-#SA447-50.	-810 Autopilot/Flight Director system in accordance -Installed King KN65-DME-system, Wilcox 1014
To The Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder system,"  Transponder sys	Aerosonic Encoding Altimeter (Right Panel) and Multichannel Transceiver : Proceeding the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel of the Panel o
appendix F, FAR 91.1  The Syncom-10 system	d 6, AC 43:13-2 Chap 2 and 3, AC 43:6, Part 43 70 FAR 91 177 and AC 20:98. was checked for conducted and radiated electro-
magnetic interference	e. nd equipment lists amended currently. C Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control
The End.	
14.02	
LUCAC YES	
±0.46.3.75 va	
Variation (400 except the stant light	er (An distribution transit discreptures and process as the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contractio
and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th
	E Les
2. Owner C.S. Beyer of	Then for the print
1450-147 4466 (44 kinga an ragan (197 kin	No E
ARCEAFT SERVICE NO.	HINDOWINA WILL SOO S. 149/11/20 19> (C)
	Moon Soo 3 Month of American Soo 3 Month of Society of the Soo Soo 3 Month of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of Society of
Applement Conscipling (	include included the
The first of	ADDITIONAL SHEETS ARE ATTACHED

4/-15/10-016/D1-14/00-17/03/2-550-14/0

TIMENT OF TRANSPORTATION CHEETE TO TRANSPORTATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

107-GADO-3 11 Mills

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AG 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. MODEL MAKE 500BEU 3 Aero Commander 1. AIRCRAFT NATIONALITY AND REGISTRATION MARK SERIAL NO. 1450-159 N171Z ADDRESS (As shown on registration certificate) NAME (As shown on registration certificate) 2. OWNER P.O. Box 3623 U.S. Dept. of Agriculture 97208 Portland, Oregon

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION 5. TYPE ALTER UNIT MAKE REPA!R ATION X AIRFRAME (As described in item 1 above) POWERPLANT PROPELLER TYPE APPLIANCE MANUFACTURER 6. CONFORMITY STATEMENT C. CERTIFICATE NO. B. KIND OF AGENCY A. AGENCY'S NAME AND ADDRESS U.S. CERTIFICATED MECHANIC Flighteraft, Inc. 7505 N.E. Airport Way Portland, Oregon 97218 ARS 4126 FOREIGN CERTIFICATED MECHANIC ATA S . P1 PRIA2 . R1,283 AC1,283 . 11,2,384 CERTIFICATED REPAIR STATION 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. SIGNATURE OF AUTHORIZED INDIVIDUAL riet dicer Sac Syl-c 11-29-78 Elmer L. Shrum, Chief Inspector 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 [X] APPROVED. 

REJECTED

INSPECTION AUTHORIZATION

CANADIAN DEPARTMENT
OF TRANSPORT INSPECTOR
OF AIRCRAFT COLLOWS

OTHER (Specify)

SIGNATURED OF PAUTHORIZED INDIVIDUAL DELICATION OF COLUMN COLOR

FAA Form 337 (7-67)

The start of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the s

TAA FLT. STANDARDS

FÃA DESÍGNEE

DATE OF APPROVAL OR OLD

MANUFACTURER -

ARS4126

CERTIFICATE OR TOP C

REPAIR STATION

(8320)

ddentify with

<b>M</b>	OT		
Ν	O.	IC	E

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:

OR LESTED OF THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND THE PROPRIES AND

	ectos			1				<del></del>			
8. DESCRIPTION	OF WORK ACC	OMPLISHED	(If more	space	is requi	red, attac	ch additío	nal sheets	. Identi	ify with	air-
craft nat-	anality and	registrat	ion mark	and de	ite work	complet	ed.)⊒∡sii	ECLLED TURNSLATORO	4.2		, , , l
ा,चाराव्या अस्टिक्टे	्राट अविद्यालान्तर दे	ಬ್ರಾಗ ಚಟ್ಟಿ	de tir de∰(¶. 	grop Gr 1	_{ep} ro dupt k Listania	erential in	fron a was	The second of the		and the section of	- 1 P/
مسم عدد مصر وسدد. العال				PERMON	T_000_004	WAIT TO TEL	YAICE.				i
-· 6	Insta	lled B	F Good	rich	Elect	rother	mal Pr	opeller	pe-ic	ing	.
Sy.	stem Kit	No. #	77-180	-1, 8	erial	No. G	1007	approv	ed and	[ =' -	-
	stalled								d equi	pment	
11	st revis										
. जिस्सी चार विशेष जिस्सी विशेष्ट्री	pts haretochave The lufermario	e layen mue	รู้คำไม่ วิธีเรียกใ	pecco in it	puse, kid.	អត្តការក៏សិរិន ប	म् हुड्या दृष्ट है	above did d Colo Mis. Pi	ederat AVer	ener gertin	gergar Task
,P. 科教研	that the repli	r and/or-2	decrations a	EV.	ID care()	i irlänsilled	do desmid	apove ded (			
	anan araya da da Jangaran	- A 2 3 - 4		i	بضورتها والمساسات أأمام أأفاء	yeskiar				es vittala my ignaties	
					- Grania	ENIÇE PESNIK	: 8151:0%		1,84,977	- 20 11/45	ಭಶ
	gi lijeriye iy Caramanan	چُند في تعجم چي محمد دي چي انداد			F09416	is accultively	CONTRACTOR		918.3	: 5 <u>61</u> ₹	
r de LETS	out a rath Am		والمراسدان أسراح				.५१.५:५। <b>५</b> ०				
	VGENCAR THE	WE VIOL	7008530			51 800 G.C	uš vogjada		C CS	STRICKE	140
حصند منتميد				्र शास्त्र	iloviu.						
	1			1							
	MANUEL CLUMEN	•					- 11 1				1
THEIR PCE .			<del></del>		a to				•	į.	1
	1125									1	1
	I			- <u> </u>	energy Statements		. i.			I	
PROPEUSE				1	11.15	1. 1. The second	* j.			Α,	*
	I to the second		1 1				5.50	#			
	ş					دو باشگانگست هما دو				1	:
Fe Dorstleref vie <b>ta</b> t	ļ	1. 43		1							
ing and substitute of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the cont	1.	1	100	1						1 4 5	1
	<del></del>	·								T : -	1
VISLENCE	1 100	k ipagasaga	0.000450044	(५७ क्टब्स	$y_1 \in \mu_1(\mu)$	er i sittere)	esticus vistoj	เลียร้องประชาการ	is the first		1
	\$ 1 · · · · ·		the office of		,					1	1
	7.7.		· · · · · · · · · · · · · · · · · · ·	1						FEFVIO	Transa.
DATE	1.	VAVEC		-	. 146	post (		Lagywrl)	K 1525	•	i diam.
				MCTOEF	<u> Lengvaran</u>					1 7	LAbi
, and a surface of the second terms		<del></del>					<u> </u>				
		/ t					<b>自己的</b>				
	Acres de la Constantina	er fransk fan de skriuwer. George								. · ·	•
			* * * *							ئەن يىنى	
									1.0		
							<u>.</u> ,				
<u>,</u> . <del></del>				3.	TOU LYY	1.2E 92HA					
	1:13. 80	5 Date: 17.4				- 450	\$2.0.19 p.c.	1 35043		<u> </u>	*
s owner	1 5 . 3.		·			·	n bez	2032		.*	
<del></del> -	No ME (As sho	with on regit	stration cant	දිපදේශ්රී		יביין .	DRESS (कर उ	sewa tea teals	PACE GA	1:V-	-
,,,, <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	1-	TV80-1	·						5 MILAND	OREC .	
** *	SESINE, MO	4 5 6 0 7 .	- 44 D			MA	TIONALITY	vill Hall	B G E	// II/	<b>,</b>
1 ALACAAFT		SECTION OF	gomnand	-,	<del></del>			<del>, </del>	.n.~	n []	\$ [r.
	MAKE	ing Graph Str. ( Table 1	ياة تشرعه يهر حدامه بي أ	•	•	V.O	oper I i	AM ~	TUFF ?	10-	: III!
, of members	ous and dispo-	sition of th	ils form, . ,	1	<del></del>			7,8,0	10 ₁ 11 ₁ 12 ₁ 1	13/6-	٠٠٠/ س
insiration	10 NS: Print o	or type all c	merjes, Sec	5 FAR 43	หอง ซึ่งรู้สาจ	iā Mirperija	मार्थ्यम् एट	16872 17 19/	444/12/1	1,2.5	. PM's
								77.75	- 1	719141	<i>5₁₿</i>
	್(ಸಿಟಗೊಡಡು		2			**	2.5		SE DEMINI		
	WV		n, yib - ci						POR COL		1
		i to space	y vaval <u>en</u> i	ระสาสรับร	VIIS)			Towns.	e intern		
,		( `	ynusuu 🖂 a🗛	DDITION	AL SHEE	TS ARE AT	TACHE		પ્રદેશિયા હતું		<i>.</i>
	<del></del>		<del></del>	المنت المستدا		* A <b>A.</b> . * <b>.</b>			a side a serie de comercia des		

The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th				
FEDERAL AVIATION ADMI	ORTATION PRESENT TOP	arnord T	Form Approved Budget Bureau No	o. 04–R060.1
MAJOR REPAIR TAND			FOR FAA	USE ONLY
(Airframe, Powerplant, Prop		e) 7	OFFICE, IDENTIFIC	ATION.
INSTRUCTIONS: Print or type all entries. See PA for instructions and disposition of this form.		dix B, and AC 43.	9-1 (or subsequent r	evision thereof,
TOTE SOUTH MAKES PROSESS DE BROAD AND	sy probléd by A		រីស៊ីស៊ីនី មន្តិស្គាល់ ទៅស្គាល់ តែស្គាល់ព	
1 AIRCRAFT SERIAL NO.	30,731 TARRES		DEREGISTRATION MA	
[- [전략교육] [12] - [12] [12] - [2] [12] [2] [2] [2] [2] [2] [2] [2] [2] [2] [		. •	2	T
1450-159 NAME (As shown on registration certificate	e)		r on registration certifi	cate)
2. OWNER	11. 1950/8 \$1	PO Box 36	2 <b>3</b> at	
U.S. Dept. of Agricu	3. FOR FAA USE ONLY	Portland,	Ore. 9720	8
-GADO-	STATE OF THE STATE OF THE			
THE GREAT VE MANAGE	ing dagan di Minggala ang kang bangan bangan Tanggalang di Kanggalang d	수도 (1) <del>선</del> 명		
a compare				
3-JAN 2 7/1972	Carl Brook the	Manary, Tu	med Voing e	mijaguri.
AM		4 To 100		
	IDENTIFICATION	<u> </u>	ాడు అందర్ క	5. TYPE
ฐกับหนังรู้เรื่อ โรเมน ซุอกพลหยาช เลย เลย เลย	MODEL	en en begi	SERIAL NO. D. COU	REPAIR ALTER-
	en en en en en en en en en en en en en e		<u> </u>	Allon
AIRFRAME (As	described in item 1 abo			xx
The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	caradin ·	1 2		
DOMEDBIANT ***	រីអូវ៉ូនិល នេះមិនក្រុ	125		
			* * *	
PROPELLER	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	a galace of the	មិ <b>ព្រះសំព</b> ្រះ និងម	- SG .
TRUTHER LUBBE WERE DIE MARE PORCH	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o		<u> Santitu Dir ter</u>	
TYPE - TYPE				
APPLIANCE: MANUFACTURER	. To be the large waste on the large	a maria	en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de	. 1 (2)
	· 建设备的 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ि कि नहीं है कर हो। कराहरू है है   क	024 <del>-</del> 75 .010	
	6. CONFORMITY STATEME		1 0 000	TIFIC 175 110
TA AGENCY'S NAME AND ADDRESS		OF AGENCY	C. CER	TIFICATE NO.
Hillsboro Aviation Co.	FOREIGN CERTIFIC		ARS39	89
26225 N.W. Cornell Rd.	CERTIFICATED REF		Airfr	
Hillaboro, Ore. 97123	<del></del>		Class	-
D. I certify that the repair and/or alteration made attachingnes hereto have been made in accordance and that the information furnished herein is true	to the unit(s) identifies with the requirements and correct to the be	ed in item 4 abo s of Part 43 of th st of my knowled	ve and described on ie U.S. Federal Aviat Ige.	the reverse or ion Regulations
DATE VEC 32-2033 BASEASADA	SIGNATURE OF A	<del></del>	<del></del>	. · · · · · · · · · · · · · · · · · · ·
1724779 Massenses .	Weil	, , ,	mas	
1/24/72/33 ( ) phodecas	Neta C.	Воммап.	Chief Inape	ctor
Pursuant to the authority given persons specified be	ROVAL FOR RETURN TO	in item 4 was in:	pected in the manne	r prescribed by
the Administrator of the Federal Aviation Administra  FAA FLT. STANDARDS MANUFACTURER INSPECTOR	INSPECTION AUTHORIZE	OTHER		
FAA DESIGNEE XX REPAIR STATION	CANADIAN DEPARTMEN OF TRANSPORT INSPEC		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o
DATE OF APPROVAL OR CERTIFICATE OR	OF AIRCRAFT SIGNATURE OF A	JTHORIZZED INDI	tou tungs courter. VIDUÁL abayaya la la l	
REJECTION DESIGNATION NO.	Keil	c lowr	nan	
1/24/72 ARS3989	Ne N C.	Bowman.	Chief Inspe	ctor

GPO . 1971 O - 410-87

(8320

## NOTICE

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

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

Removed the following equipment:

Arc DV-317A ARC DV-318A Dynaverter

Dynaverter

ARC DV-302B ARC B-317A Dynaverter

ARC B-3174 Converter the and order to the past of the distance of the past of the converter and order to the control of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the converter of the c

Removed complete systems including cables. Removed Commantenna from forward top fuselage.

Installed the following equipment:

Comm entenna on top aft fuselage

Colline Comm antenna on top forward fuselage. Mounted as per manufacturers instructions using 2024-T3 .041 aluminum doubler.

Installed the remote units for the following equipment on the existing radio rack aft of the baggage compartment using appropriate AN screws, nuts, and washers:

King KGM-690 marker beacon King KKR-600 navigation receivers King KTR-900 transceivers 63.

2 ea.

1 ea.

King KAA-445 audio amplifier
King KDF-800 automatic direction finder radio l ea. Installed as per manufacturer's instruction using standard AN 8/32 machine screws and elastic stop nuts and large area washers. Junction box for all these units installed to existing structure aft of radio rack with Standard AN 10/32 screws, elastic stop nuts and washers.

Installed the following units in the instrument panel using existing cut outs:

l ea.

KA-37 audio panel KFS-560 navigation receiver control KFS-580 autometic direction finder control head ea.

Coral Gables transceiver control heads 2 68.

1 ea. XNI-580 automatic direction finder indicator 2 ea. KNI-520 navigation receiver indicator Installed as per manufacturer's instructions using standard AN 6/32 screws and nuts. ave volkinside een migeoord

Installed 2 ea. C5FC speakers in everhead. Che above Pilot's head, one above Co-pilot's head with mount secured to aircraft structure. Bracket made from 2024-T3 aluminum .041 thickness, secured with Std. AN 6/32 machine screws, elastic stop nuts and washers.

All cables for the above units routed down right side of sircraft as per aircraft manufacturer original and Part 43.

ADDITIONAL SHEETS ARE ATTACHET

TMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION FOR FAA USE ONLY MAJOR REPAIR AND ALTERATION OFFICE IDENTIFICATION (Airframe, Powerplant, Propeller, or Appliance) INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. MODEL NATIONALITY AND REGISTRATION MARK Aero Commander 1. AHRCRAFT SERIAL NO. 1450-159 ADDRESS (As shown on registration certificate) NAME (As shown on registration certificate) 2. OWNER PO Box 3623 U.S. Dept. of Agriculture Portland, Ore. 97208 3. FOR FAA USE ONLY 4. UNIT IDENTIFICATION 5. TYPE ALTER-UNIT RÉPAIR MOITA AIRFRAME **POWERPLANT** ** CONTINUATION SHEET ** PROPELLER APPLIANCE MANUFACTURER 6. CONFORMITY STATEMENT A. AGENCY'S NAME AND ADDRESS B. KIND OF AGENCY C. CERTIFICATE NO. U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION 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. SIGNATURE OF AUTHORIZED INDIVIDUAL DATE 7. APPROVAL FOR RETURN TO SERVICE Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED OTHER (Specifi FAA FLT. STANDARDS MANUFACTURER INSPECTION AUTHORIZATION

FAA Form 337 (7-67)

DATE OF APPROVAL OR REJECTION

INSPECTOR

FAA DESIGNEE

(8320)

GPO : 1971 O - 410-878

REPAIR STATION

CERTIFICATE OR DESIGNATION NO.

CANADIAN DEPARTMENT

OF TRANSPORT INSPECTOR

SIGNATURE OF AUTHORIZED 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.

		accios de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del companya de la companya del companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del companya de la companya de la companya de la companya del companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya dela companya de la companya de la companya dela companya dela companya dela companya de la companya dela companya dela company	
B. DES	CRIPTIO	ON OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with tionality and registration mark and dafe work completed.)	air crokv
(1) 		다 精가 하하다 하다다. 그런 그는 그는 그는 사람들은 하는 그는 사람들은 사람들이 가지 않는 것이 되었다. 그는 그는 그는 사람들은 사람들은 하는 그는 그는 사람들은 사람들은 사람들은 사람들은 사	
	3.77	equipment installation as per manufacturer's instructions 43.13-2, Chapter 2, pp. 21-22-23, Sec. a.d.e. 24-Sec. b;	
6 J	26	- Sec. a; 27 - Sec. a,b.c.d,e,g,and h; Chapter 3, par. 33,	j.oeg
DIME.	T ~ ~	1 Stongther the mage to a to to to to the best of my knowledge.	
. 5	്ക	And the contract of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	
	جي ۽ ڇوپ <del>ري پند</del> ري	A graduation described to the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contro	-
		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
٠	وستدي روال	STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	
ļ.·		The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of t	- iO
		Vacanta di Santa	
		- The transfer Section 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1
7.50	ritul .	washeinte an a same and a same a same a same a same a same a same a same a same a same a same a same a same a	
			<del>.</del>
s erg es i	ings.		
£	1. 1.5%		
	ನಗ ಗಳು ನೀವಕ	Processor and any other of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the	
* 111	4 7/2		-
		was a second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of	er .
· ·-		THE RESIDENCE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	LAIÆ
		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
			• .
	-	그 그는 경기를 하면 뭐 하는 것 같아.	
		2 - 655 - 547 CM - 17/CA	
ar ari r		Total Deplie to the telescons of the total transfer of the telescons	
	5.9E (	20 AND the shown on registration confidency.  ACOMES (As shown on registration confidency)	
jan a	<del></del>		
	 14.791.1	SERVAL NO. A	+ ×
Í	-	sevy)	
1 .T	14.066	HONS Frint or type all entries. See BAS (3.9, BARY 3 Appendix 1, rad 20, 400% i gae sebsequent revn. a. 1 Cont. 108 dispublics of the form.	Sec.
: - <del>-</del> -	-1-	Distraction, Cornespicant, Budgeller, or MypHeeter)	
-		Carry transfer of the property of the second state of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	
g.		grings were an analysis of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	
<b>S</b>		- Diagra ADDITIONAL SHEETS ARE ATTACHE	
. (	J.,		

TWE. Use	N 171Z	y	ly, to an authoriz	zed Federal Aviation Agency Representa-
	N 171Z			
AIRCR/ DESCRIP		2. AIRCRAFT MAKE Aero Command 5. ENGINE MAKE	ler	3. AIRCRAFT MODEL 500B (CAR 3) 8. ENGINE MODEL
	1450-159	Lycoming 8. PROPELLER MAKE Hartzell		IO-540-É1A5  9. PROPELIER MODEL  HC-A3VK-2A
	APPLICATION IS HEREBY MADE FOR:  A. X CSIGINAL ISSUANCE OF CERTIFICATE (AIRC  B. AMENDMENT OF CURRENT CERTIFICATE (CA  C. MULTIPLE CERTIFICATE (REF. CAR 1 AND 8)  D. OTHER  AIRWORTHINESS CLASSIFICATION (Check appropriates requested that an Airworthiness Cerclassification(s):  A. X STANDARD (NORMAL, UTILITY, ACROBATIC,  B. LIMITED (REF. CAR 9)  C. RESTRICTED (REF. CAR 8) (Check operation(1))  AGRICULTURAL AND PEST CONTROL  (2) AGRICULTURAL AND PEST CONTROL  (3) AERIAL SURVEYING	R 1.62)  Liste item(s))  tificate be issued to perm  TRANSPORT CATEGORIES) (REF	uit operation of the	(Specific above described aircraft in the following
	D. DEPERIMENTAL (REF. CAR 1) (Check operation of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	MENT)	(7) OTHER  (3) EXHIBITION  (4) RACING  (5) TO SHOW CO	(Specify)
ERIFICATION Applicable to newly ufactured aircraft)	I. IN ACCORDANCE WITH CAR 1.67(d) THE AIRCRAFT  A. AIRCRAFT MANUFACTURER (Name of Firm  B. CERTIFICATED DOMESTIC REPAIR STATION,  C. CERTIFICATED AIR CARRIER, CERTIFICATE NO  D. CERTIFICATED MECHANIC (Inspection Aut	DESCRIBED ABOVE HAS BEEN  (CERTIFICATE NO  O		
PART IV OWNER'S CERTIFICATION	I hereby certify that the aircraft dition(s) requested. I further certify the with the Federal Aviation Agency, as a Regulations and Regulations of the Aaircraft. (Check and complete appropria.  1. CERTIFICATE OF REGISTRATION, FAA FORM S DEALER'S AIRCRAFT REGISTRATION FAAN FORM S DEALER'S AIRCRAFT REGISTRATION CERTIFICATE OWNER'S FULL NAME AND PERMAN Aero Commander Division Rockwell-Standard Corpo: 5001 North Rockwell Aven Bethany, Oklahoma  *In order to be eligible for registration owned by a citizen of the United Section 101(13) of the Federal Avia B. AITACHMENTS (Check which)	required by the Federa Administrator and that the item(s): this includes 100 (PART A) DATE OF ISSUE M 500 (PART B). FAA FORM (Date)  NIE, FAA FORM 1707 (Expirator MAILING ADDRESS (No., 1721)  Tration  Tule	Aviation Act of the following e completion of iten	eptember 1, 1964

AIRCRAFT LISTING, PAGE NO.(S)

AIRCRAFT AND ENGINE OPERATING RECORDS

OTHER

SERIAL NO.

SERIAL NO.

SERIAL NO.

AIRWORTHINESS DOCUMENTATION

X AIRWORTHINESS DIRECTIVE SUMMARY _

SUPPLEMENTAL TYPE CERTIFICATE NO.(5)

L-910-48

L-920-48

¢

U.S. GOVERNMENT PRINTING OFFICE : 1962 OF-634128 FEDERAL AVIATION AGENCY AIRCRAFT INSPECTION REPORT (Items 1 and 2 will be verified and all other applicable items will be completed by an authorized FAA representative.) The aircraft described in PART I on the reverse of this form has been inspected and found to conform to the following: X AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET NO. Jan. 1, 1963 64-13 (YEAR) THROUGH CARD NO. (Specify) X AIRCRAFT NEW-NO PREVIOUS OPERATION OR MAINTENANCE HISTORY B. NA COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECTIVES RECORDED AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEEN OPERATED A TOTAL OF ENGINE RECORDS INDICATE THE FOLLOWING OPERATION: 5:35 TOTAL HOURS TIME SINCE OVERHAUL 5:35 TOTAL HOURS TIME SINCE OVERHAUL TOTAL HOURS TOTAL HOURS_ TIME SINCE OVERHAUL CURRENT OPERATING RESTRICTIONS (LIMITATIONS), COPY ATTACHED CURRENT OPERATING RESTRICTIONS (LIMITATIONS), AVAILABLE IN AIRCRAFT X CURRENT APPROVED AIRCRAFT FLIGHT MANUAL, AVAILABLE IN AIRCRAFT X CURRENT WEIGHT AND BALANCE INFORMATION, AVAILABLE IN AIRCRAFT IT THIS INSPECTION HAS BEEN RECORDED IN THE AIRCRAFT RECORDS FAAIFORM 337, MAJOR REPAIR AND ALTERATION, (ATTACH WHEN REQUIRED) FAA FORM 317; STATEMENT OF CONFORMITY, (ATTACH WHEN REQUIRED) WEIGHT AND BALANCE REPORT, (ATTACH WHEN REQUIRED) DATA, DRAWINGS, PHOTOGRAPHS, ETC., (ATTACH WHEN REQUIRED) AIRWORTHINESS CERTIFICATE, FAA FORM 1362, ISSUED IN ACCORDANCE WITH CAR_ PREVIOUS FAA FORM 1362, ISSUED IN ACCORDANCE WITH CAR (Designation Number) DMIR# 2032 June 27,1964 FAA DISTRICT OFFICE NO.

(Name of Issuing Representative) FAA REPRESENTATIVE CERTIFICATION I have inspected the aircraft described on the reverse and, on the basis of the application and the foregoing, find it conforms to its type certificate and that it is in condition for safe operation. REGISTRATION INDICATED ON REVERSE IS PROPERLY DISPLAYED IN AIRCRAFT YES X NO (Explain) Current Form FAA 1707 DESIGNEE'S SIGNATURE GUY G. CARSON FAA INSPECTOR'S SIGNATURE E. L. Brotherton SW-EMDO-41 July 9, 1964 ACCEPTED. REINSPECTED C. SPOT CHECKED ATTACHMENT(S) IN ADDITION TO THOSE LISTED ON REVERSE (List separately) 1. AC Form 1046 Special Marking Authorization. 2. Copy of Form FAA-1362B issued per this Form FAA 305.

	FEDI AVIATIO	OF AMERICA ON AGENCY	
•	ERTIFICATE OF A	<b>VIRWORTHI</b>	VESS
1. NATIONALITY AND REGIST		airworthiness classif STANDARD - N	
The aircraft identif		when m	ral Aviation Act of 1958. Internation and operated in off Operation Limitations.
with Part 43 of the	ebbig it effectes long with Air Regulations un otherwise established by	lors kufrantiekeli,	
June 27,196h	GUY G. QI	VRSOM	7. DESIGNATION NO. DMIR# 2032
	isuse of this Certificate is p t exceeding 3 years, or b		of not exceeding \$1,000
GPO : 1959 OF 508938			Form FAA 13628 (5-59)

