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

Federal Adminis	tration			2 6 1 1 1 1 1	144 3								
INST	TRUCTIO	ONS: Print or type a on of this form. This n violation (Section 9	repo	rt is required by	y law (49	U.S.C	ppendix B, and A . 1421). Failure to	C 43.9-1 (or to report can	subsequent revi result in a civil p	sion thereof) for ins enalty not to excee	tructions d \$1,000		
1. Aircraft		Make Beech				Model F33A							
		Serial No. CE-625					Nationality and Registration Mark N334DH						
2. Own	er	Name (As shown Hemman Da Hamman Eil	gistration certi	ficate)		Address (As shown on registration certificate) P.O.Box 88307 Steilacoom, Wa. 98388-0307							
	applicable only on the by a person MAR	ical data identified he airworthiness require above decribed air on in FAR 43.7	ement craft, s	subject to confo	approved mity inspe	tot na	s. For FAA Use (Only					
		V				4. Unit Identification				5. Type			
U	nit	Make				Model			Seri	al No.	Repair	Alteration	
AIRFRA	ME				(As d	~(As described in item 1 above)~~~~						х	
POWER	PLANT												
PROPE	LLER									RECEIVED			
APPLIA	NCE	Type Manufacturer						APR 0 8 2005 SEATTLE FSD0					
						6.	Conformity Sta	atement				arandasyi .	
A. Agency's Name and Address						B. K	B. Kind of Agency			C. Certificate No.			
SpanaFlight						-	Foreign Certifica						
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Date 4-6-20	005						Signature of Aut	tu Q	Luttron	1500			
						-	proval for Return						
		e authority given per of the Federal Aviati						s inspected i REJECTED	n the manner pre	scribed by the	•		
BY		A Fit Standards Manufacturer pector			x	Inspection Authorization		C	Other (Specify)				
ы	FA	A Designee		Repair Station	n		Person Approve Canada Airworth			-			
Date of Approval or Rejection 4-6-2005 Certificate or Designation No. 539607576				ignation No.			Signature of Aut		vidual Lu Hs our	(Smi)			

NOTICE

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

8. Description of Work Accomplished

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

Installed Smoking Airplanes, model SA-100, smoke system as a complete kit as supplied by Smoking Airplanes. The oil tank and electric oil pump are self contained and mounted on the floor of the baggage compartment. Oil is pumped through an Aeroquip 306-4 hose up the Lt side wall to the control panel mounted to the lower sub frame of the instrument panel. The system oil control valve, pump switch and indicator light are attached to this control panel. The oil hose then routes through the Lt side of the firewall via an AN bulkhead fitting to a Stainless steel exterior braided teflon hose. This hose attaches to the injector fitting that is clamped to the Lt exhaust stack. The oil pump obtains its power from a 16 guage wire that is routed next to the oil hose along the Lt side wall and connects (at the control panel) to a 15 amp curcuit breaker switch. The breaker switch power wire is attached to the main bus. The red LED light mounted in the control panel illuminates any time the CB swtch is turned on.

The tank/pump unit is mounted to the aft baggage floor at fuselage station 144.1. The tank mounting brackets (supplied with the kit) were riveted to an 11"X12" .090" thick sheet of 2024-T3 aluminum as a base plate. Tiedown rings are mounted to this plate and have 2 tiedown web straps as an additional anchor that lap over the top of the tank. The base plate is bolted to the floorboard, longerons with 12 equally spaced AN3-4a bolts. on the Lt side, 4 On the Rt side, and 4 on the aft edge.) The floor ribs have MS21047L3 nutplates riveted on the under side. This installation conforms to AC43.13-2A chapter 1. Load tests were performed per the AC and found to be satisfactory.

The electrical system employs aircraft approved wire, circuit breaker (Potter Brumfield W31-X2MIG-15), connectors, etc from the bus to the tank/pump unit. All routing, connections, wire size,etc. conforms to AC43.13-2A chapter 11, section 2 and 3. Electrical load limits are not a factor due to this being an intermittant load.

Smoking Airplanes Installation and operations manual was strickly adheared to in all aspects of the installation. A copy of this manual is included with this 337 packet.

Incorporated in Smoking Airplanes installation and operations manual are the operating instructions that must be present in the aircraft. A copy of this is attached.

Instructions for Continued Airworthiness are also incorporated in the Smoking Airplanes manual as part of the installation and operating instructions.

Wt. Balance and equipment list is amended.

- 1- The attached Instruction for Continued Airworthiness is FAA approved and will require FAA approval of any revisions.
- of this unit requires a logbook entry in accordance with FAR 43, and shall be accomplished by properly ce
- ap

ved for any other purpose other tha	n operational testing.	ti - bis - landing	tified herein has been found to comply with a requirements and is hereby approved for use
4- This is a one time approval for	this aircraft only.	only on the above decri	N334DH Launtennin
		DATE	FAA Inspector NM-FSDO-01
Manual of Proc 9	election of the companies of the first of		

Additional Sheets Are Attached

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Uni	t	Make			Model			Serial No.	Repair	Alteration	
AIRFRAI	ME	~~~		(As	descri	bed in item 1 a	above)			х	
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A. Agency's Name and Address B. K.						and of Agency		C. Certificate No	C. Certificate No.		
Curtis Guttromson SpanaFlight 16715 Meridian St. E. Puyallup, Wa. 98375						U.S. Certificated Foreign Certificated Rep Manufacturer	ated Mechanic	A&P 539607	576		
ha	ve been	made in accordant	ce wit	ion made to the unit(s the requirements of st of my knowledge.) identific Part 43	ed in item 4 above of the U.S. Feder	e and described on the al Aviation Regulations	e reverse or attachments has and that the information	ereto furnished		
Date 4-6-200)5					Cur		romson			
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				specified below, the understanding the university of the universit			s inspected in the man REJECTED	ner prescribed by the			
FAA Fit Standards Manufacturer Inspector		x	Inspection Auth	orization	Other (Specify)	Other (Specify)					
BY	FA	A Designee	nee Repair Station			Person Approve Canada Airwort	ed by Transport thiness Group				
Date of Approval or Rejection 4-6-2005 Certificate or Designation No. 539607576 IA						Signature of Authorized Individual Curtus AtuttromSov					

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- 1- The attached Instruction for Continued Airworthiness is FAA approved and will require FAA approval of any revisions.
- 2- The removal and reinstallation of this unit requires a logbook entry in accordance with FAR 43, and shall be accomplished by properly certificated personnel, holding at least an airframe certificate, or a properly trained owner/pilot
- not app

3- The intent of this unit is to provide assistance to other aircraft in a flight th roved for any other purpose other than operational testing.				
4- This is a one time approval for this aircraft only.	and Hamble alouarthings	ed herein has been found to comply with equirements and is hereby approved for us ad aircraft, subject to conformity inspection N 3340 H		
	DATE	FAA inspector NM-FSDO-01		
Manual Africa S. S. Caper C. C. C. Companion C. S. S. C. C.				

Additional Sheets Are Attached U.S.GPO:1989-0-663-171