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

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 1958)

for each suc	h violation (Section 9	901 Federal Aviation	Act 1958)						
1. Aircraft	Make Beech			Mod	lei A45 (T34A)				
	Serial No. G-825			Nationality and Registration Mark N5268					
2. Owner		on registration certi Evans	fficate)	Address (As shown on registration certificate) 1616 Northridge Ln North Mankato, MN 56003					
				3. For FAA Use Only					
	R S	HE DATA IDENTIFE EQUIREMENTS AN UBJECT TO CONFO	D IS APPROV		PPLICABLE AIRWOF BOVE DESCRIBED ITH PRIZED IN FAR FAA INSPECTOR IMS	13.7.			
					4. Unit Identification			5. Type	
Unit	Ma	ake		Model	Se	erial No.	Repair	Alteration	
AIRFRAME	(As described in item 1 above)							х	
POWERPLANT				7.					
PROPELLER									
APPLIANCE	Туре								
	Manufacturer								
	TOTAL STATE		Trans	6. Conformity Stateme	ent				
				Kind of Agency C. Certificate No					
Bruce Sauer			Foreign Certificated M	U.S. Certificated Mechanic Foreign Certificated Mechanic Certificated Repair Station Manufacturer 475767					
have bee	n made in accordance	alteration made to the ce with the requirement the best of my knowle	ents of Part 43	fied in item 4 above and 3 of the U.S. Federal Avia	described on the reve ation Regulations and	rse or attachments he that the information for	ereto umished		
Date May 8, 2006				Signature of Authorized Individual Bruce Sauer Suite Sauer					
			7. A	approval for Return to S	AND DESCRIPTION OF THE PERSON	- June			
	50.70	rsons specified below on Administration ar		ntified in item 4 was insper PPROVED REJEC		rescribed by the			
10.00	A Flt Standards spector	Manufacturer	х	Inspection Authorization	on	Other (Specify)			
F/	A Designee	Repair Statio	n	Person Approved by T Canada Airworthiness					
Date of Approva	· **	Certificate or Designation No. 47		Signature of Authorize Bruce Sauer	ed Individual	Paren			

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.)

May 8, 2006

N5268

S/N G-825

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Total Time

INTORDUCTION: This is to document the installation of Smoking Airplanes Model SA-100 Visual Collision Avoidance System in aircraft. This system comes in kit form consisting of 3.5 gallon oil tank with mounting brackets, mounting hardware, oil pump with brackets and hardware, flop tube and vent system, hoses, arming switch, remote actuating switch, valve, and injectors. This unit is to help provide visual identification assistance to other aircraft in the air and is not approved for any other purpose, MINIST F.

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DESCRIPTION: Installed tank/pump assembly at fuselage Sta. 159.0 in baggage area. Tank brackets riveted to 12' X 12" .090 thick 2024T3 sheet to be used as base plate to mount to baggage floor. Base plate attaches to floor with 12 evenly space AN3 bolts with MS21078-3 nutplates riveted under baggage floor on ribs. Load test performed per AC43.13-2A Chapter 1. Oil is pumped through a Aeroquip 306-4 hose down the right side of fuselage. The oil control valve, pump arming switch and indicator light is mounted in right side circuit breaker and switch panel. The oil hose then goes to and AN bulkhead fitting to stainless steel outside braided teflon hoses that attach to the injector nozzles clamped to the exhausts. A red LED light mounted in the instrument panel illuminates whenever the circuit breaker switch is turned on. Eletrical system installation conforms to AC 43.13-1B Chapter 11 sections 3 through 12 and 15 and 16. System installed per Smoking Airplanes Installation Instructions. Frabicated alluminum strap to run over tank and attached to base plate to act as secondary retention method.

OPERATION INFORMATION: Refer to Smoking Airplane Operations Manual.

SERVICING INFORMATION: Use only those fluids specified in Operations Manual.

MAINTENANCE INSTRUCTIONS: 100 hr/annual inspections. Perform operational checks per Operations Manual at each removal/installation of the pump/tank unit.

TROUBLE SHOOTING: Refer to Installation and Operations Manuals>

REMOVAL AND REPLACEMENT: Oil tank/pump unit removal and installation may be accomplished by any appropriately rated airman and properly trained owner or pilot. A log book entry required per FAR 43 for each removal and installation.

DIAGRAMS: NA

SPECIAL INSPECTIONS: Perform operational and leak checks per Operations Manual at each tank/pump unit removal and installation.

PROTECTIVE TREATMENTS: NA

DATA: NA

SPECIAL TOOLS: NA

COMMUTER AIRCRAFT: NA OVERHAUL PERIODS: NA

AIRWORTHINESS LIMITATIONS: NA

REVISIONS: Submit letter to local FSDO with copy of revised 337 Form and revised Instructions for Continued Airworthings

Additional Sheets Are Attached

