

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

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.

1. AIRCRAFT	MAKE	CESSNA	MODEL	A185F
	SERIAL NO.	18502213	NATIONALITY AND REGISTRATION MARK	N3946Q
2. OWNER	NAME (As shown on registration certificate)		ADDRESS (As shown on registration certificate)	
	PAUL MENNEN		1452 OWEN SOUND DR. SUNNYVALE, CA. 94087	

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION				5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
VERN MILLER AVIATION 208 FORD RD. SP.#254 ONE JOSE, CA 95138	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	1938774
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> MANUFACTURER	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
11-4-89	Vern R Miller

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 FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/> INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
11-4-89	1938774	Vern R Miller

## 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 Brackett BA8110 air filter assembly in accordance with STC SA 716L.

Installed TSO Shoulder Harness and BAS, Inc. Harness System in accordance with STC SA 2067 NM.

Weight and balance and equipment list revised.

ADDITIONAL SHEETS ARE ATTACHED

Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA2067NM

*This certificate, issued to* BAS, Inc.

*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:* \*  
*Make:* \*  
*Model:* \*

\*See Attached Master Eligibility List (MEL) Number SA2067NM for List of Approved Airplane Models and Applicable Airworthiness Regulations.

*Description of Type Design Change:*

Installation of a TSO Shoulder Harness and BAS, Inc. Harness System in accordance with BAS, Inc. Installation Instructions dated March 6, 1983, and Drawings (1) through (4) dated February 10, 1983, or later FAA approved revisions.

*Limitations and Conditions:* Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and MEL dated April 4, 1984, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.

*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:* December 22, 1983

*Date reissued:* August 15, 1986

*Date of issuance:* June 2, 1983

*Date amended:* April 4, 1984



*By direction of the Administrator*

*William B. Ashworth*  
 (Signature)

Manager, Seattle Aircraft  
 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.

BAS, INC.

TSO SHOULDER HARNESS

Issue Date: April 4, 1984

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS		AFM SUPPLEMENT NUMBER/DATE	MEL AMENDMENT DATE
					NUMBER	REVISION NO. AND DATE		
1.	Cessna	170	A-799	Part 3 of Civil Air Regulations & T.C. No. A-799.	BAS-1	A 18 Feb 84		
2.	Cessna	172	3A12	Part 3 of Civil Air Regulations & T.C. No. 3A12.	BAS-1	A 18 Feb 84		
3.	Cessna	175	3A17	Part 3 of Civil Air Regulations & T.C. No. 3A17.	BAS-1	A 18 Feb 84		
4.	Cessna	180	5A6	Part 3 of Civil Air Regulations & T.C. No. 5A6.	BAS-1	A 18 Feb 84		
5.	Cessna	182	3A13	Part 3 of Civil Air Regulations & T.C. No. 3A13.	BAS-1	A 18 Feb 84		
6.	Cessna	185	3A24	Part 3 of Civil Air Regulations & T.C. No. 3A24.	BAS-1	A 18 Feb 84		
7.	Cessna	205	3A21	Part 3 of Civil Air Regulations & T.C. No. 3A21.	BAS-1	A 18 Feb 84		

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					NUMBER	REVISION NO. AND DATE		
8.	Cessna	206	A4CE	Part 8 of Civil Air Regulations & T.C. No. A4CE.	BAS-1	A 18 Feb 84		
9.	Cessna	207	A16CE	Part 23 of Federal Aviation Regulations & T.C. No. A16CE.	BAS-1	A 18 Feb 84		
10.	Cessna	210	3A21	Part 3 of Civil Air Regulations & T.C. No. 3A21.	BAS-1	A 18 Feb 84		

FAA Approved: William B. Whitworth  
 Manager, Seattle Aircraft  
 Certification Office

Date Reissued: August 15, 1986