

Department of Transportation—Federal Aviation Administration

## Supplemental Type Certificate

Number SA2160NM

Precise Flight, Inc.

63120 Powell Butte Rd.

Bend, OR 97701

This certificate, issued to

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

Original Product—Type Certificate Number:

\*See attached F.A.A. Approved Model List (AML)

Make:

No. SA2160NM for list of approved airplane models

Model:

and applicable airworthiness regulations

*Description of the Type Design Change:* Installation of Precise Flight, Inc. Stand-By Vacuum System (SVS) in accordance with the appropriate Precise Flight, Inc. Engineering Drawing listed on F.A.A. Approved Model List No. SA2160NM, dated April 28, 2000, or later F.A.A. approved revision.

**NOTE:** As a prerequisite to this change, the engine must be modified in accordance with Precise Flight, Inc. STC No. SE179NM or SE1780NM, dated April 21, 2000, or later FAA approved revision. Also, modified aircraft must be equipped with a vacuum indicator.

*Limitations and Conditions:* Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer 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, AML No. SA2160NM and the appropriate F.A.A. Approved Flight Manual Supplement (AFMS) listed on AML No. SA2160NM must be maintained as part of the permanent records for the modified 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 of the Federal Aviation Administration.*

Date of application: October 31, 1983

Date received:

Date of issuance: November 7, 1983

Date amended:

December 16, 1983,

December 7, 1984; April 28, 2000



By direction of the Administrator

*For*    
 (Signed)

Acting 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 2 years, or both.

PRECISE FLIGHT, INC.  
FAA APPROVED MODEL LIST (AML) NO. SA2160NM  
FOR  
INSTALLATION OF STANDBY VACUUM SYSTEM (SVS)

Issue Date: October 31, 1989

LIST OF ACTIVE PAGES

| PAGE | AMMENDMENT DATE |
|------|-----------------|
| 2    | -----           |
| 3    | 02/04/85        |

FAA Approved:   
for Acting Manager, Seattle Aircraft  
Certification Office

Amended: April 28, 2000

PRECISE FLIGHT, INC.  
 FAA APPROVED MODEL LIST (AML) NO. SA2160NM  
 FOR  
 INSTALLATION OF STANDBY VACUUM SYSTEM (SVS)

Issue Date: October 31, 1989

| Item | Aircraft Make        | Aircraft Model  | Original Type Certificate Number | Certification Basis For Alteration | FAA Approved Installation Instructions | AFM Supplement Number/Date | AML Amendment Date |
|------|----------------------|---|----------------------------------|------------------------------------|--|----------------------------|--------------------|
| 1    | Beech Aircraft Corp. | 23, A23, A23A, A23-19, 19A, B19, M19A, A23-24, B23, C23, A24, A24R, B24R, C24R  | A1CE                             | CAR PART 3                         | SVS III                                | 12/07/84                   |                    |
|      |                      | 35, A35, B35, C35, D35, E35, F35, G35, 35R  | 777                              | CAR PART 3                         | SVS III                                | 12/07/84                   |                    |
|      |                      | H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 35-33 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, 36, A36, A36TC, B36TC | 3A15                             | CAR PART 3                         | SVS III                                | 12/07/84                   |                    |
|      |                      | 45 (YT-34), A45 (Y-34A, B-45), D45 (T-34B)  | 5A3                              | CAR PART 3                         | SVS III                                | 12/07/84                   |                    |

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|------|----------------------|----------------|----------------------------------|------------------------------------|--|----------------------------|--------------------|
|      | Beech Aircraft Corp. | 77 SERIES      | A29CE-2                          | PART 23                            | SVS III                                | 12/07/84                   |                    |