

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate*Number* SE1779NM

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 therefor as specified herein meets the airworthiness requirements of Part 33 of the Federal Aviation Regulations.

Original Product—Type Certificate Number:

*See attached FAA Approved Model List (AML)

Make:

No. SE1779NM for list of approved airplane models

Model:

and applicable airworthiness regulations

Description of the Type Design Change: Installation of Precise Flight, Inc. Standby Vacuum System SVS III, in accordance with Engineering Drawing 000V0000, Revision -, dated March 10, 2000, and Installation Reprint No. 50050, Revision 25, dated August 26, 1999, or later approved revision. Or Installation of Precise Flight, Inc. SVS V, in accordance with Precise Flight, Inc. Engineering Drawing 000V0000, Revision -, dated March 10, 2000 and Installation Instructions 08072, Revision -, dated December 12, 1999, or later FAA approved revision.

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, Addendum No. SE1779NM, and FAA approved AML No. SE1779NM, December 30, 1983, or later FAA approved revision, 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: December 13, 1982*Date received:**Date of issuance:* December 28, 1982

December 30, 1983; January 31, 1985;

July 25, 1990; January 31, 1991

April 21, 2000

*By direction of the Administrator*

[Signature]
(Signature)

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 3 years or both.

This certificate may be transferred in accordance with FAR 27.47.

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SE1779NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SE1779NM

The conditions and limitations of Type Certificate Data Sheet as listed in the attached AML apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SE1779NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Federal Aviation Regulations:

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Precise Flight, Inc.

Engines:

Lycoming

Fuel:

See Type Certificate Data Sheet

Engine Limits:

See Type Certificate Data Sheet

Placards:

Placards and Operating Limits on appropriate Type Certificate Data Sheet apply except as noted herein:

The following placard is mandatory on aircraft that are required to have POH/AFM's and must be located near instrument suction gauge in full view of pilot:

STANDBY VACUUM SYSTEM:
FOR OPERATING INSTRUCTIONS AND LIMITATIONS SEE SUPPLEMENT
IN OWNER'S MANUAL OR PILOT'S OPERATING HANDBOOK

NOTE:

This STC covers modification of the engine only. Installation of this system in an aircraft requires aircraft installations approval and associated Airplane Flight Manual and Pilot Operating Handbook Supplement for the installation.

For those airplanes which do not have an AFM/POH, the placards provided in each Precise Flight, Inc. Installation Kit must be installed with the modification.

-END-

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

FAA FORM 8110-2-1 (10-49)

This certificate may be transferred in accordance with FAR 21.37.

PAGE OF PAGES

APPROVED MODEL LIST NO. SE1779NM
PRECISE FLIGHT STANDBY VACUUM SYSTEM
LIST OF ACTIVE PAGES

<u>PAGE</u>	<u>AMENDMENT DATE</u>
1	08/22/90
2	12/28/82
3	12/28/82

FAA Approved: *D.L. Kiffin*
Assistant Manager, Seattle
Aircraft Certification Office

Amended: September 9, 1990

PRECISE FLIGHT, INC.
 FAA APPROVED MODEL LIST (AML) NO. SE1779NM
 FOR
 INSTALLATION OF STANDBY VACUUM SYSTEM (SVS)

Issue Date: October 31, 1999

Item	Engine Make	Engine Model	Original Type Certificate Number	Certification Basis For Alteration	FAA Approved Drawing No.	Revision No. and Date	AFM Supplement Number/Date	AML Amendment Date
1	LYCOMING	O-235 Series	E-223	CAR 13 and T.C. E-223	LYC. SVS 0010		12/28/82	04/11/83
2		O-290	E-229	CAR 13 and T.C. E-223	LYC. SVS 0010			
3		0-320	E-274	CAR13 and T.C. E-274	LYC. SVS 0010			
4		IO-320	1E12	CAR 13 and T.C. 1E12	LYC. SVS 0010			
5		0-340	E-277	CAR 13 and T.C. E-277	LYC. SVS 0010			
6		0-350	227	CAR13 and T.C. 227	LYC. SVS 0010			
7		0360, LO-360, IO-360, LIO360	E-286 1W10	CAR 13 and T.C. E-286	LYC. SVS 0010			05/10/85
8		AEIO-360	E1CE	CAR 13 and T.C. E1CE	LYC. SVS 0010			08/22/90

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9	LYCOMING	TIO-360	E-16EA	CAR13 and T.C. E-16EA	LYC. SVS 0010			
10		TO-360 LTO-360	E26EA	CAR 13 and T.C. E-26EA	LYC. SVS 0010			
11		O-43E GO-435	E-228	CAR 13 and T.C. E-228	LYC. SVS 0010		12/28/82	
12		GSO-435	E-276	CAR13 and T.C. E-276	LYC. SVS 0010			
13		GO-480, IGO-480, GSO-480, O480	E-275	CAR 13 and T.C. E-275	LYC. SVS 0010			
14		IGSO-480	E-284	CAR 13 and T.C. E284	LYC. SVS 0010			
15		O-540	E-295	CAR13 and T.C. E-295	LYC. SVS 0010			
16		IO-540	1E4	CAR 13 and T.C. 1E4	LYC. SVS 0010			
17		IGO-540	1E11	CAR 13 and T.C. 1E11	LYC. SVS 0010			

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18	LYCOMING	IGSO-540	1E7	CAR 13 and T.C. 1E7	LYC. SVS 0010			
19		O-540-9	E-304	CAR 13 and T.C. E-304	LYC. SVS 0010			
20		TIO-540 LTIO-540	E14EA	CAR 13 and T.C. E14EA	LYC. SVS 0010		12/28/82	
21		TIO-541	E10EA	CAR 13 and T.C. E10EA	LYC. SVS 0010			
22		TIGO-541	E19EA	CAR 13 and T.C. E19EA	LYC. SVS 0010			
23		GSO-580	E-256	CAR13 and T.C. E-256	LYC. SVS 0010			
24		SO-580	E-285	CAR 13 and T.C. E-285	LYC. SVS 0010			
25		IO-720	1E15	CAR 13 and T.C. 1E15	LYC. SVS 0010			