United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA2084NM

This certificate, issued to Precise Flight, 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 3 *of the* Civil Air *Regulations.*

Original Product—Type Certificate Number: 3A13

Make: Cessna

Model: 182Q

Description of Type Design Change: Installation of Precise Flight Speedbrake System in accordance with Precise Flight, Inc. DRC System Photos (1) thru (8) and DRC Speedbrake Installation Manual Report No. 111

NOTE: This installation is applicable only to above model previously modified in accordance with STC SA1382WE.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Cessna 182Q, Serial Number 18266118 only. A copy of this Certificate, Addendum No. SA2084NM, and Precise Flight, Inc. Airplane Flight Manual Supplement 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: April 15, 1983

Date of issuance: April 24, 1983

Date reissued:

Date amended:

By direction of the Administrator

Darrell M Pedersen

(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 21.47.

FAA Form 8110-2 (10-68)

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SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2084NM

The conditions and limitations of the original Type Certificate No. 3A13 apply except as follows:

This addendum, which is part of Supplemental Type Certificate No. SA2084NM, prescribes the conditions and limitations under which the STC was issued and meets the airworthiness requirements of the Civil Air Regulations.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Precise Flight, Inc.

X. CESSNA MODEL 182Q, SKYLANE, 4PCLM (NORMAL CATEGORY) AS MODIFIED BY STC SA2084NM.

SERIAL NUMBER: 18266118 only.

Equipment: Cessna Owner's Manual or Pilot's Operating Handbook and AFMS for DRC system must be maintained in the airplane at all times.

Note 1: Current weight and balance report including list of equipment in the certified empty weight must be in the aircraft.

Note 2: In addition to the Placards and Markings required by Type Certificate Data Sheet 3A13, Note 2, apply the following:

(a) The following placard is to be located at the circuit breaker panel:

SPEED BRAKE

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(b) The following placard is to be on the left horn of the pilot's control wheel near the speed brake control switch:

SPEED BRAKE PUSH TO DEPLOY

(c) The following placard is to be in front and in full view of the pilot:

THIS AIRCRAFT IS EQUIPPED WITH PRECISE FLIGHT, INC. STANDBY VACUUM SYSTEM. REFER TO AFM OR PILOT'S OPERATING HANDBOOK FOR OPERATING INSTRUCTIONS.

(d) The following placard is to be placed in front and in full view of the pilot:

DESCENT RATE CONTROL FOR OPERATING INSTRUCTIONS AND LIMITATIONS - SEE SUPPLEMENT IN OWNER'S MANUAL OR PILOT'S OPERATING HANDBOOK.

Note 3: With the described DRC system installation, performance will be at least equal to or better than that given in the Owner's Manual or Pilo'ts Operating Handbook for the Cessna airplane.

-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 (10-69) *This certificate may be transferred in accordance with FAR 21.47.*