United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA3676NM

This certificate, issued to James E. Gadwa

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: 182P

Description of Type Design Change: Installation of an Emergency Standby Vacuum System in accordance with James E. Gadwa photos (1) through (6) and Installation Sketch I, dated October 28, 1986, or later FAA approved revision.

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 182P aircraft, Serial No. 18264950 only. A copy of this Certificate and Addendum No. SA3676NM and James E. Gadwa, FAA Approved Airplane Flight Manual Supplement dated December 16, 1986, shall 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: October 28, 1986

Date of issuance: December 16, 1986

Date reissued:

Date amended:

By direction of the Administrator

David G. Hurd

(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

(Continuation Sheet)

Number SA3676NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA3676NM

The conditions and limitations of the original Type Certificates apply except as follows:

This Addendum, which is part of Supplemental Type Certificate No. SA3676NM, 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: James E. Gadwa

I. CESSNA MODEL 182P, SKYLANE, 4 PCLM (NORMAL CATEGORY) AS MODIFIED BY STC SA3676NM.

Equipment: The Airplane Flight Manual or Pilot's Operating Handbook Supplement 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 Sheets, Note 2, apply the following:

The following placards must be placed in full view of the pilot near the instrument vacuum indicator.

APPROXIMATE STANDBY VACUUM AVAILABLE - ALTITUDE - POWER CHART

Pressure Altitude	Maximum M.P.	RPM	Vacuum
1000	21"	2200	4.5
2000	20"	2200	4.5
3000	19.5"	2400	4.5
4000	18.5"	2200	4.5
5000	18.0"	2200	4.5
6000	17.0"	2100	4.5
7000	16.0"	2100	4.5
8000	15.0"	2100	4.5
9000	13.5"	2100	4.5
10000	13.0"	2100	4.5

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.