Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA355NW

This certificate, issued to Baer's Flying Service
and Satra Aircraft
102 Mud Creek Lane
Conan MT 59864 406 676-5143

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: 182 through 182B Series

Description of Type Design Change: Conversion of a Cessna 182 aircraft from tricycle gear to tailwheel configuration in accordance with Keefer Engineering Drawing SA-1000, Rev. A, and reconversion capability back to tri-gear in accordance with Keefer Engineering Report, SA-110, Rev. A.

Limitations and Conditions: Approval of this change in type design applies basically to the above model 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 that the interrelationship between this change and any of those other previously approved modifications, including changes to type design, will introduce no adverse effect upon the airworthiness of that aircraft. A Copy of this Certificate; Addendum No. SA355NW; Keefer Engineering Report No. SA-110; Rev. A; and Keefer Engineering Drawing No. SA-1000, Rev. A, 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: July 20, 1976 *Date reissued:* September 25, 1978

Date of issuance: September 15, 1976 *Date amended:* January 31, 1978

FEDERAL AVIATION ADMINISTRATION

By direction of the Administrator

Charles C. Schroeder
(Signature)

Chief, Engineering and Manufacturing Branch
(Title)

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 (10-68)

This certificate may be transferred in accordance with FAR 21.47.

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

SEP 25 1978

Number SA355NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA355NW

The conditions and limitations of Type Certificate Data Sheet Number 3A13 apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SA355NW 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: Baer's Flying Service, Satra Aircraft

CESSNA 182 THROUGH 182B SERIES (NORMAL CATEGORY- LANDPLANE) AS MODIFIED BY STC SA355NW

Engines: Same as specified in Aircraft Data Sheet 3A13

Engine Limits: No change

Fuel: No change

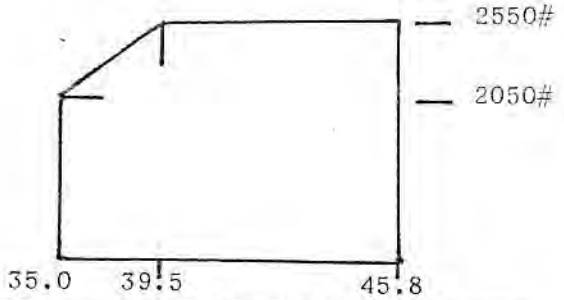
Propeller and
Propeller Limits: Same as specified in Data Sheet 3A13

Serial Numbers Eligible: 33000 through 52358

Airspeed Limits: Same as specified in Aircraft Data Sheet 3A13

Maximum Weight
and C.G. Limits: For Cessna 182, Serial Numbers 33000 through 33842:

(+39.5) to (+45.8) @ 2550#
(+35.0) to (45.8) @ 2050# or less



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

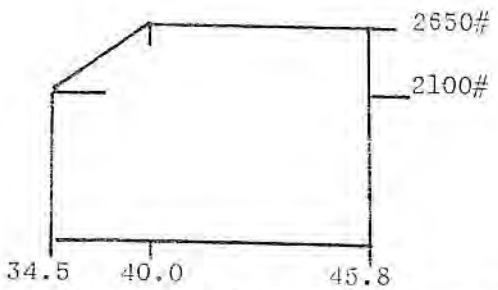
FAA FORM 8110-2-1 (10-69)

This certificate may be transferred in accordance with FAR 21.47.

C FAA AC 73-2651

For Cessna Model 182A, S/N 33843 through 34999 and 51001 through 51556; and 182B, S/N 34754 through 52358:

(+40.0) to (+45.8) @ 2650#
(+34.5) to (+45.8) @ 2100# or less



Placard: Placard must be added in full view of the pilot:

THIS AIRCRAFT MUST BE OPERATED AT THE APPROPRIATE C.G. AND WEIGHT LIMITATIONS AS LISTED IN THE SUPPLEMENTAL TYPE DATA SHEET ADDENDUM TO STC SA355NW

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