United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate STC

Number SA653NW

This certificate, issued to LYNN DOODY

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: 2A13

Make: Piper

Model: PA-28-140

Description of Type Design Change: Installation of a larger baggage compartment in accordance with Lynn Doody Photographs (1) through (3).

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Piper PA-28-140, Serial Number 28-20217 only. A copy of this Certificate, Addendum No. SA653NW, and FAA Approved Airplane Flight Manual Supplement 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 23, 1978

Date of issuance: August 22, 1978

Date reissued:

Date amended:

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.

This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-2 (10-66)

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

STC

(Continuation Sheet)

AUG 22 1978

Number SA653NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA653NW

The conditions and limitations of Type Certificate Data Sheet Number 2A13 apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SA653NW, 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: Lynn Doody

PIPER PA 28-140 (LANDPLANE - NORMAL CATEGORY) AS MODIFIED BY STC SA653NW

Engine:	Lycoming O-320-E2A
Engine Limits:	150 hp @ 2700 rpm
Fuel:	80/87 minimum grade aviation gasoline
Propeller: Propeller Limits:	Sensenich M74DM58 Static rpm at maximum throttle setting Not over 2375 rpm and not under 2275 rpm
Serial Number Eligible:	28-20217 only
Airspeed Limits:	Same as specified in Data Sheet 2A13
Maximum Weight:	2150 pounds
C. G. Limits:	(+84.0) to (+94) at 1650 pounds or less (+85.1) to (+94) at 1850 pounds (+86.5) to (+94) at 1950 pounds (+90.1) to (+94) at 2150 pounds
Maximum Baggage:	200 pounds at (+117)
Placards:	A placard must be added in the baggage compartment to read:

Maximum Baggage - 200 Pounds

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.

Placards Continued: A placard must be added to the instrument panel in full view of the pilot:

Static RPM at maximum throttle setting: No less than 2275 RPM and not more than 2375 RPM.

- END -