

United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SA956NW

This certificate, issued to J. L. Terieling

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 21.25 of the Federal Aviation Regulations, and Civil Aeronautics Manual 8.

Original Product — Type Certificate Number: AR-10

Make: Consolidated-Vultee (Lester Branchflower)

Model: L-13A (Restricted)

Description of Type Design Change: Installation of Continental W670-240 (Gulf Coast) engine, Gulfstream J-5404/MA-96K-0 propeller, carburetor heat box, Cleveland wheel and brake assembly, modified tail wheel, modified fuel system, and Jasco 50 amp alternator system in accordance with J. L. Terieling photographs 1 through 7.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Consolidated-Vultee L-13A, Serial Number 47-275 only. A copy of this Certificate and Addendum Number SA956NW 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: April 28, 1980

Date reissued:

Date of issuance: June 18, 1980

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.

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Supplemental Type Certificate
(Continuation Sheet)

June 18, 1980 *Number* SA956NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA956NW

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

This Addendum, which is part of Supplemental Type Certificate No. SA956NW, prescribes the conditions and limitations under which the STC was issued and meets the airworthiness requirements of Federal Aviation Regulations Part 21.25 and Civil Aeronautics Manual 8. A copy of this Addendum shall be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: J. L. Terieling

I. CONSOLIDATED-VULTEE L-13A (LANDPLANE-RESTRICTED CATEGORY) AS MODIFIED BY STC SA956NW

Engine:	Continental W670-240 (Gulf Coast - Restricted)
Fuel:	80/87 octane minimum grade aviation gasoline
Engine Limits:	240 Hp @ 2200 rpm (Sea Level)
Propeller and Propeller Limits:	Gulfstream J-5404/MA-96K-0 Static rpm: Not over 2095 rpm; Not under 1945 rpm
Serial Number Eligible:	47-275 only
Airspeed Limits:	Same as specified in Military Aircraft Flight Manual
Maximum Weight:	3250 pounds
C. G. Limits:	119 to 126.0 inches
Datum:	100 inches forward of wing leading edge (fuselage station 0)
Leveling Means:	Plane of cabin door
Placard:	Same as specified except: <u>Engine Instrument Markings</u> Engine Tachometer: Red Line at 2200 rpm Cylinder Head Temp: Red Line at 550 ^o F Oil Inlet Temp: Red Line at 200 ^o F

(OVER)

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