United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA2100NM

This certificate, issued to Mr. Al Fisher

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 4(a) *of the* Civil Air *Regulations.*

Original Product — Type Certificate Number: A-694

Make: Luscombe

Model: 8E

Description of Type Design Change: Installation of fuselage reinforcement patch and stiffener, a Continental 0-200-A4B engine and a McCauley 1B90/CM7146 propeller per Mr. Al Fisher photographs 1 thru 13.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Luscombe 8E, Serial Number 2294 only. A copy of this certificate and addendum 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 30, 1982

Date of issuance: May 31, 1983

Date reissued:

Date amended:

By direction of the Administrator

(Signature)

Manager, Seattle Aircraft Certification Offic

(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)

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA2100NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2100NM

The conditions and limitations of Type Certificate Data Sheet No. A-694 apply except where superseded by the following:

This Supplemental Type Certificate Addendum, which is part of STC SA2100NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations. A copy of this STC Addendum is required to be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Mr. Al Fisher.

1. LUSCOMBE 8E 2 PCLM (NORMAL CATEGORY) AS MODIFIED BY STC SA2100NM

Engine:	Continental 0-200-A4B
Fuel:	80/87 octane minimum grade aviation gasoline
Engine Limits:	Takeoff (5 min.) 2750 rpm (100 Hp) @ sea level Maximum continuous power - 2750 rpm full throttle
Propeller and Propeller Limits:	McCauley 1B90/CM7146 Diameter: 75" maximum; 71" minimum
Powerplant Instruments:	Mark instruments as follows:
	Oil Temperature: Red Line 225°F - maximum
	Oil Pressure: Green Arc 30 to 60 psig - normal operating range Red Line 10 psig minimum
	Tachometer: Red Line 2750 rpm - maximum
	Cylinder Head Temperature Red Line 525°F - maximum
C. G. Range:	See Type Certificate Data Sheet A694

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Supplemental Type Certificate

(Continuation Sheet)

Number SA2100NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2100NM

Maximum Weight: See Type Certificate Data Sheet A694

Placards: The following placard is to be installed by Fuel Tank Filler Ports:

80/87 OCTANE MIN. GRADE AVIATION GASOLINE

- END -

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