

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

Number SA2535NM

This certificate, issued to William L. Foschaar
909 Dara Street
Camarillo, CA 93010

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 4a of the Civil Air Regulations.

Original Product—Type Certificate Number: A-766
Make: Swift Museum (Globe)
Model: GC-1B, S/N 223 (N80820)

Description of Type Design Change: Installation of Lycoming O-320-A3A engine and Hartzell HC-C2YL-4BF/FC-7663-4 propeller, fiber glass cowling, associated engine changes, modified airspeed system, and other miscellaneous changes in accordance with William L. Foschaar Report No. 1, Revision A, dated July 15, 1985.

Limitations and Conditions: Data not suitable for reproduction of installation in other aircraft; therefore, they are satisfactory for Swift GC-1B, S/N 223 only. No additional modifications of this type are to be approved solely by reference to this Supplemental Type Certificate or to the data submitted therefor. Supplemental Type Certificate Addendum No. SA2535NM is a part of this certificate. A copy of this certificate and William L. Foschaar Installation Report No. 1, Revision A, dated July 15, 1985 shall be maintained as a part of the permanent records for this 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: September 6, 1984

Date reissued:

Date of issuance: April 12, 1985

Date amended: July 16, 1985



By direction of the Administrator
Marvin J. Rammelsberg
(Signature)
for CHARLES I. BLOMER, Manager
Western 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.

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(I) April 12, 1985
(A) July 16, 1985

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SA2535NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2535NM

The conditions and limitations of Aircraft Specification No. A-766 apply except as follows:

This Addendum, which is part of Supplemental Type Certificate No. SA2535NM, prescribes 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 Addendum shall be maintained as part of the modified aircraft's permanent records.

Supplemental Type Certificate Holder: William L. Foschaar

I - Model Swift GC-1B, S/N 223 (N80820) (Normal Category), as modified by STC SA2535NM

Engine	Lycoming O-320-A3A
Fuel	80/87 Minimum Grade Aviation Gasoline
Engine, Limits	For all operations: 125 HP, 2700 rpm, 24.9" MP @ SL 125 HP, 2700 rpm, 23.7" MP @ 5700 ft Straight line variation between points given.
Propeller and Propeller Limits	Hartzell HC-C2YL Hub Model: HC-C2YL-4BF Blade Model: FC-7663-4 Diameter: Maximum 72 in. Minimum 70 in. Pitch Settings: 30 in. Station Low 12.0° High 26.0° Governor: Woodward 210080R
Oil Capacity	8 quarts (-15.5)

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SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2535NM (cont.)

Powerplant Instrument Markings:	Tachometer:	2700 RPM (Red Radial)
	Manifold Pressure Gage:	24.9 in. Hg. (Red Radial)
	Oil Temperature Gage:	245°F (Red Radial)
	Oil Pressure Gage:	25 psi (Red Radial) - Minimum
		100 psi (Red Radial) - Maximum
		60-90 psi (Green Arc) - Normal
	Fuel Pressure Gage:	0.5 psi (Red Radial) - Minimum
6 psi (Red Radial) - Maximum		
0.5-6 psi (Green Arc) - Normal		
Cylinder Head Temp.:	500°F (Well-type thermocouple on #4 cylinder) - Maximum	

Serial Numbers
Eligible: No. 223 only

Certification Basis: Same as specified by Aircraft Specification No. A-766.

NOTE 1. Current weight and balance report including list of equipment included in certificated empty weight, and loading instructions when necessary, must be in the aircraft.

NOTE 2. The following placards must be installed in front of and in clear view of the pilot:

(a) "ENGINE OPERATION LIMITS:

125 H.P. FOR ALL OPERATIONS
2700 RPM AND 24.9 INCHES HG. @ SEA LEVEL
2700 RPM AND 23.7 INCHES HG. @ 5,700 FEET
(STRAIGHT LINE VARIATIONS OF M.P. WITH
ALTITUDE BETWEEN POINTS GIVEN.)"

(b) "PROPELLER - PUSH TO INCREASE"

(c) "ELECTRIC FUEL PUMP MUST BE ON DURING TAKE-OFF"

The following placard must be displayed at the wing tank filler cap:

"FUEL - 80/87 MINIMUM GRADE AVIATION GASOLINE - 27.8 GALLONS CAPACITY."

- END -

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