United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA1016NW

This certificate, issued to Maynard C. Crosby

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 23 *of the* Federal Aviation *Regulations,* February 1, 1965, and amendments 23-1 and 23-2.

Original Product—Type Certificate Number: A11EA

Make: Gulfstream American (Grumman)

Model: AA-1

Description of Type Design Change: Installation of a Lycoming O-360-A4M engine, Sensenich 76EM8-0-62 propeller, and AA-5 elevator system in accordance with Maynard C. Crosby photographs 1 through 5.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Gulfstream American (Grumman) AA-1, Serial Number AA1-0459, as modified by the installation of a modified lower cowl, landing gear fairing, and AA-5A dorsal fin in accordance with STC Nos. SA809NW, SA810NW, and SA1009NW respectively. A copy of this Certificate and Addendum No. SA1016NW 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: May 28, 1980

Date of issuance: August 28, 1980

Date reissued:

Date amended:

By direction of the Administrator

Charles C Schroeder

(Signature)

Acting Chief, Seattle Area 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.

This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-2 (10-68)

United States of America
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Supplemental Type Certificate

(Continuation Sheet)

August 28, 1980 *Number* SA1016NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA1016NW

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

This Addendum, which is part of Supplemental Type Certificate No. SA1016NW, prescribes the conditions and limitations under which the STC was issued and meets the airworthiness requirements of the Federal Aviation Regulations.

SUPPLEMENTAL TYPE CERTIFICATE: Maynard C. Crosby

I. MODEL AA-1 2PCLM (NORMAL CATEGORY) AS MODIFIED BY STC SA1016NW

Engine:	Lycoming 0-360-A4M
Fuel:	100/130 minimum grade aviation gasoline
Engine Limits:	For all operations: 2700 rpm (180 Hp)
Propeller and Propeller Limits:	Sensenich 76EM8-0-62 Diameter: 76" maximum; 76" minimum Static Limits: 2300 rpm maximum; 2200 rpm minimum Placards: None
C. G. Range:	(+78.5) to (+81.0) at 1500 pounds
Maximum Weight:	1500 pounds
Instrument Markings:	Oil Temperature: 245°F Oil Inlet (red line) maximum Oil Pressure: 60 to 90 psi (green arc) normal operating range Cylinder Head Temperature (Bayonet Thermocouple): 500°F (red line) maximum

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

NOTE 1: Current weight and balance report including list of equipment in the certified empty weight must be in the aircraft.

NOTE 2: In addition to the Placards and Markings required by Type Certificate Data Sheet A11EA, Note 2, apply the following:

a. Adjacent to the fuel filler cap:

CAUTION
USE 100/130 OCTANE FUEL OR HIGHER ONLY

b. Adjacent to or in close proximity to the aircraft identification plate:

LYCOMING O-360-A4M ENGINE INSTALLATION, STC SA1016NW

NOTE 3: With the described engine and propeller installation, performance will be at least equal to or better than that given in the original FAA Approved Airplane Flight Manual for the Grumman American AA-1 airplane.

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