United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA2125NM

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.*

Original Product — Type Certificate Number: A16EA

Make: Gulfstream American

Model: AA-5

Description of Type Design Change: Installation of Lycoming 0-360-A4M engine and Sensenich 76EM8S10-0-60 propeller on a modified AA-5 engine mount Grumman American P/N 5501110-501 per Ameromod Corporation photographs 1 through 9..

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 AA-5, Serial Number AA5-0232, only. A copy of this Certificate and Addendum SA2125NM 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 24, 1983

Date of issuance: July 12, 1983

Date reissued: April 29, 1991

Date amended:

By direction of the Administrator

(Signature)

Manager, Aircraft Modification Branch
~~Seattle 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
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA2125NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2125NM

The conditions and limitations of Type Certificate Data Sheet No. A16EA apply except where superseded by the following:

This Supplemental Type Certificate Addendum, which is part of STC SA2125NM, 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: Maynard C. Crosby

I. GRUMMAN AMERICAN AA-5, TRAVELER, 4PCLM (NORMAL/UTILITY CATEGORY) AS MODIFIED BY STC2125NM

Engine:	Lycoming O-360-A4M
Fuel:	100/130 octane minimum grade aviation gasoline
Engine Limits:	Takeoff 2700 rpm (180 Hp) @ sea level Maximum continuous power - 2700 rpm full throttle
Propeller and Propeller Limits:	1. Sensenich 76 EM8S10-0-60 Diameter: 76" Only Spinner: Grumman American 5506009-3
Powerplant Instruments:	Mark Instruments as Follows: Oil Temperature: Red Line 245°F - maximum Oil Pressure: Green Arc 60 to 30 psi - normal operating range Yellow Arc 25 to 60 psi Red Line 25 psi minimum; 90 psi maximum Tachometer: Red Line 2700 rpm - maximum Fuel Pressure: Green Arc .5 to 8 psi - normal operating range Red Line 8 psi - maximum at sea level

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 8110-2-1 (10-69)

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA2125NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2125NM

Powerplant Instruments (Cont'd): Cylinder Head Temperature (Well-Type Thermocouple): Red Line 500°F - maximum

C. G. Range: See Type Certificate Data Sheet A16EA

Maximum Weight: See Type Certificate Data Sheet A16EA

Placards: The following placard is to be in front and in full view of the pilot:

- NOTICE -

AIRCRAFT MODIFIED WITH LYCOMING O-360-A4M ENGINE (180 HP @ 2700 RPM) CONSULT APPROVED STC ADDENDUM NO. SA2125NM.

Install by Fuel Filler Ports:

FUEL CAPACITY
19 U.S. GAL
MIN. 100 OCTANE

- END -

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