United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA4165NM

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 Air *Regulations*, February 11, 1965 and Amendments 23-1 through 23-8.

Original Product—Type Certificate Number: A16EA

Make: Gulfstream Aerospace

Model: AA-5A

Description of Type Design Change: Installation of a Lycoming O-540-E4A5 engine and a Hartzell Model HC-C2YK-8477-8R propeller in accordance with Ameromod photos 1 through 14C, dated December 1, 1986.

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 Aerospace model AA-5A aircraft, Serial Number AA-5A-0115 only. A copy of this Certificate, Addendum No. SA4165NM, and FAA Approved Flight Manual Supplement dated January 25, 1988, must 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: June 25, 1985

Date of issuance: January 25, 1988

Date reissued:

Date amended:

By direction of the Administrator

(Signature)

for Assistant Manager, 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)

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Supplemental Type Certificate

(Continuation Sheet)

Number SA4165NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA4165NM

The Conditions and limitations of Type Certificate Data Sheet (TCDS) Number A16EA apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SA4165NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Federal Air Regulations.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Maynard C. Crosby

Model AA-5A (Normal/Utility Category) as modified by STC SA4165NM

Engine:	Lycoming O-540-E4A5
Fuel:	100/100LL
Engine Limits:	260 HP at 2700 RPM
Propeller and Propeller Limits:	Hartzell HC-C2YK-8477-8R, 2700 RPM maximum, maximum diameter and minimum diameter 76 inches
Oil Capacity:	12 US quarts at (32.0)(6 qt. usable)(6 qt. minimum)

NOTE 2: The following placards must be installed in full view of the pilot, or as indicated:

(f) near fuel caps: "Fuel Minimum 100/100LL Octaine"

(1) on instrument panel above prop control and in full view of pilot:

"LOW PITCH - PUSH IN"

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