

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

Number SA2015WE

This certificate issued to
Hartzell Engine Technologies, LLC
2900 Selma Highway
Montgomery, AL 36108

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 8 of the Civil Air Regulations, effective October 11, 1950 (See T.C. Data Sheet 1A16)

Original Product--Type Certificate Number: 1A16
Make: Grumman
Model: G164A

Description of Type Design Change:

The 12 volt or 24 volt D.C. electrical generating system is replaced by an alternator system in accordance with FAA approved Skytronics, Inc. Top Installation Drawings, TID-G164 or TD3011 or TD3011-1A16, Revision "A" or later FAA approved revisions. The added components consist of Jasco Part Numbers:

- (a) 12 Volt System. 6555-1 Alternator, J12M20 Voltage Regulator, and SPV-3 Voltage Protector (JM12M20SP Voltage Regulator can be used in lieu of the JM12M20 Voltage Regulator and the SPV-3 Voltage Protector.), or
- (b) 24 Volt System. 7555-1 Alternator, J12M24 Voltage Regulator, SPV-4 Voltage Protector, and 17-10 External Resistor (J12M24SP Voltage Controller can be used in lieu of J12M24 and SPV-4 Voltage Protector)

Limitations and Conditions:

The approval of this change in type design applies basically to model G164A only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. This determination should include the consideration of significant changes in weight distribution such as increase in the fixed disposable weight in the fuselage.

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 25, 1969

Date reissued: March 6, 2014

Date of issuance: October 17, 1969

Date amended: March 12, 1970; May 13, 1971;
November 16, 1976; October 7, 1980;
July 28, 2014



By direction of the Administrator

Original Signed By:
Christopher Richards

(Signature)

Timothy P. Smyth
Manager, Propulsion and Program Management Branch
Chicago Aircraft Certification Office