

Department of Transportation Federal Aviation Administration

Supplemental Type Certificate

Number SR02088SE

This certificate, issued to:

**Palm Beach Aviation Services, Inc.
2633 Lantana Road, Suite 36
Lantana, FL 33462**

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product—Type Certificate Number: 6A1
Make: Twin Commander
Model: 500A

Description of the Type Design Change: Installation of Hartzell PHC-C3YF-2UF/FC8468D()-8R propellers and C-3567-4P spinners in accordance with Hartzell Manual No. 115N, 61-00-15, Revision 16, dated October 2009, or later FAA-approved revision on Twin Commander 500A model airplanes previously modified with Teledyne Continental IO-520-E engines according to STC SA340SO.

Limitations and Conditions: Approval of this change in type design applies to the above model only. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationships between this change and any of those other previously approved modifications including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. The modification of the aircraft in accordance with STC SA366S is approved.

The modified aircraft must be maintained in accordance with the Continued Airworthiness section of Hartzell Owners Manual No. 115N, 61-00-15, Revision 16, dated October 2009 or later FAA-approved revision.

A copy of this certificate must be maintained as part of the permanent records for the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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: March 10, 2010 *Date reissued:*
Date of issuance: September 08, 2010 *Date amended:*



By direction of the Administrator

[Handwritten Signature]

Acting 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.



U.S. Department
of Transportation
**Federal Aviation
Administration**

**Transport Airplane Directorate
Aircraft Certification Service**

1601 Lind Avenue Southwest
Renton, Washington 98057-3356

SEP 9 2010

In Reply
Refer To: 140S-GA-10-34

Mr. Hugh G. Evans
Palm Beach Aviation Services, Inc.
2633 Lantana Rd. Suite 36
Lantana, Florida 33462

Dear Mr. Evans:

The Federal Aviation Administration (FAA) completed the evaluation Supplemental Type Certificate (STC) Project Number ST10957SE-A, and find that you have satisfactorily demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed your original STC Number SR02088SE, dated September 8, 2010, for the installation of Hartzell PHC-C3YF-2UF/FC8468D()-8R propellers and C-3567-4P spinners in accordance with Hartzell Manual No. 115N, 61-00-15, Revision 16, dated October 2009, or later FAA-approved revision on Twin Commander 500A model airplanes previously modified with Teledyne Continental IO-520-E engines according to STC SA340SO.

This STC is official FAA approval for your installation and may be used to authorize identical installation on other aircraft of the same model, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Title 14 Code of Federal Regulations (CFR) part 21, section (§) 21.47. You are requested to advise this office within 30 days after the transfer when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or reissuance action.

If you agree to permit another person to use this STC to alter the product, it is your responsibility to give the other person written evidence of that permission in the form of a "permission statement." This permission statement should contain the agreement specifying the product to be altered, the STC number, and the person who is being given the consent to use the STC.

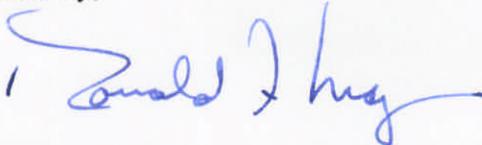
As recipient of this approval, except as provided in Title 14 CFR § 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in CFR § 21.3(c). The report should be communicated initially by telephone to the Propulsion Branch Manager, ANM-140S, telephone number (425) 917-6512 within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, Seattle Aircraft Certification Office, ANM-100S, at the above address is required.

If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with CFR § 21.303. A Parts Manufacturer Approval (PMA) may be issued under the provisions of CFR § 21.303(d) when you submit a statement certifying you have established the fabrication inspection system as required by CFR § 21.303(h). The identification requirements for parts produced under a PMA are in CFR § 45.15. Your statement may be in letter form, with reference to the STC number, and should be addressed to the Federal Aviation Administration, Transport Airplane Directorate, Attention: Manager, Seattle Manufacturing Inspection District Office, 2500 East Valley Hwy., Suite C-2, Renton, Washington 98055-4056.

Since I am very much interested in the service we provide to the aviation community and the general public, it would be helpful if you would provide your thoughts and comments regarding how the approval process went. To gather this information, we have enclosed a short survey (with a self-addressed, stamped envelope) that I hope you will fill out and return. You will note that the return envelope is addressed to me. You may rest assured that your comments will receive my full attention and that I will hold your comments in strict confidence, should you request I do so. Please note that this customer service survey is common to all Aircraft Certification Offices within the FAA's Aircraft Certification Service and is aimed at enabling the Aircraft Certification Service to deliver the best services to each of our customers.

If you have any questions regarding this approval, please contact Mr. Richard McCauley with the Propulsion Branch, at telephone number (425) 917-6502, through a facsimile at (425) 917-6590, or by electronic mail at richard.mccauley@faa.gov.

Sincerely,



for Robert D. Breneman
Acting Manager, Seattle Aircraft
Certification Office

2 Enclosures
Original STC SR02088SE
Customer Survey w/Stamped Return Envelope