United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA4743NM

This certificate, issued to Aero Air, Inc.

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 3 *of the* Civil Air *Regulations.*

Original Product—Type Certificate Number: A8EA

Make: Piper

Model: PA-31T2

Description of Type Design Change: Installation of two Hartzell HC-B3TN-3B/T10178B-10Q propellers on Piper Model PA-31T2 airplanes equipped with Pratt & Whitney of Canada Ltd. PT6A-135 engines in accordance with an FAA approved copy of Aero Air, Inc. Installation Instructions No. AA32, pages 1 through 6, dated April 12, 1989, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft 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 that the relationship 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.

(See Continuation Sheet No. SA4743NM)

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: February 28, 1989

Date of issuance: July 21, 1989

Date reissued:

Date amended:

By direction of the Administrator

Howard R. Miller

(Signature)

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 SA4743NM

LIMITATIONS AND CONDITIONS: (continued)

Airplanes equipped with this modification must be operated in accordance with FAA Approved Pilot's Operating Handbook Supplement, dated July 21, 1989, or later FAA approved revision. A copy of this Certificate, Continuation Sheet and FAA Approved Pilot's Operating Handbook must be maintained as part of the permanent records for the modified aircraft.

This propeller modification results in no acoustical change from the originally approved airplane configuration.

No determination has been made by the FAA that the noise levels of this airplane are or should be acceptable or unacceptable for operation at, into, or out of, any airport.

- END -

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