Department of Transportation—Federal Aviation Administration STC Book

Supplemental Type Certificate

Number **SA5953NM**

This certificate, issued to **Goering Aircraft, Inc.**
27430 Willard Road
Bend, OR 97701

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.*

Original Product—Type Certificate Number: A4SW
Make: Ayres Corporation
Model: S-2R (Restricted Category)

Description of the Type Design Change: Installation of one of the following Garrett engines:

a. TPE331-1-151A, -151K, -151G
b. TPE331-2-201A, -201C
c. TPE331-6-252B, -252M
d. TPE331-5-252

Engines (a) through (c) must be installed with a Hartzell Model HC-B3TN-5(C)/T10282+4, P/N HCB3TN-5V/T10290N or P/N HCB3TN-5V/T10290N+2 propeller. Engine (d) must be installed with a Hartzell P/N HC-B4TN-5(E)L/LT10282A(N)+2.5 or Hartzell P/N HC-B4TN-5NL/LT10890N propeller. These engine and propeller combinations must be installed in accordance with Goering Aircraft, Inc. Master Drawing List No. S2R-600, Revision I, dated April 13, 1997, and Installation Instructions No. 1000II, Revision F, dated August 20, 1998, or later FAA approved revisions.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to aircraft of these models 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. Engine installations (a) through (d) require the flap travel be limited to 15 degrees. Airplanes equipped with engines (a) through (c) must be operated in accordance with a copy of FAA approved Airplane Flight Manual Supplement (AFMS), dated either April 30, 1993 or March 24, 1999, as appropriate. Airplanes equipped with engine (d) must be operated in accordance with a copy of FAA approved AFMS, dated April 24, 1997. A copy of this certificate and the appropriate AFMS 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: November 9, 1992
Date of issuance: April 30, 1993

Reissued:
Date amended: April 24, 1997; March 24, 1999

By direction of the Administrator

(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.