

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

Number SA00902CH

This certificate issued to

Turbine Conversions, Ltd.
18155 120th Ave, P.O. Box 8
Nunica, MI 49448

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.

See Type Certificate Data Sheet A4SW for complete certification basis.

Original Product--Type Certificate Number: A4SW

Make: Ayres Corporation

Model: S-2R, S2R-T34, S2R-T15, S2R-R3S, S2R-R1340, S2R-R1820,
S2R-G6, S2R-G5, S2R-T11, S2R-T65, S2R-T45, S2R-G10,
S2R-G1

Description of Type Design Change:

Installation of Walter a.s. turboprop engine model M601D-11 or M601E-11 with Avia Propeller Ltd. model V510, V510AG, V508E-AG/99A or V508E-AG/106A in accordance with Turbine Conversions Ltd. Drawing List, Report WAL2000, Revision A, dated March 4, 2005, or later approved revision.

Limitations and Conditions:

1. FAA Approved Airplane Flight Manual Supplement for Ayres S2R - Series Thrush Modified in Accordance with this STC, Revision C, dated January 26, 2005, or later FAA approved revision, is required.

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: December 2, 1996

Date reissued:

Date of issuance: July 2, 1998

Date amended: September 29, 1998; November 8, 1999;
April 12, 2005



By direction of the Administrator

(Signature)

Thaddeus D. Krolicki, Jr.
Manager, Propulsion Branch
Chicago Aircraft Certification Office

(Title)

United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA00902CH

Date of Issuance: July 2, 1998

Date Amended: April 12, 2005

Limitations and Conditions (Continued):

2. Aircraft specification limits are the same as listed on Type Certificate Data Sheet No. A4SW except as listed in the FAA Approved Airplane Flight Manual Supplement for Ayres S2R - Series Thrush Modified in Accordance with this STC.
3. Limits for Walter a.s. turboprop engine model M601D-11 or M601E-11 with Avia Propeller Ltd. model V510, 510AG, V508E-AG/99A or V508E-AG/106A are as published in the FAA Approved Airplane Flight Manual Supplement for the Ayres S2R - Series Thrush modified in accordance with this STC.
4. The life limit for the Avia Propeller Ltd. models V510, V510AG, V508E-AG/99A and V508E-AG/106A, in accordance with Type Certificate Data Sheet Number P2BO or P21BO, and as referenced in the Avia maintenance manual, is 6,000 flight hours.
5. Power lever positions below flight idle (Beta range) when aircraft is in flight can result in severe overspeeding and/or loss of aircraft control.
6. 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.

...End...