United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SE4757NM

This certificate, issued to Aircraft Design, 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 13 *of the* Civil Air *Regulations*, dated 5/15/56, as amended by 13-1, 13-2, and 13-3.

Original Product — Type Certificate Number: 1E10

Make: AVCO Lycoming

Model: IO-360-A1B6D or IO-360-A3B6D

Description of Type Design Change: Installation of Rotomaster turbocharger No. 600573-00, Rotomaster scavenge pump No. 101633-31, AC diaphragm fuel pump No. R00253-501, Bendix fuel injectors, TCM fixed wastegate, and an ACD intercooler in accordance with Darwin C. Conrad Drawing List No. DCC-20.00 dated July 27, 1989, and Installation Instructions No. DCC-20.00, dated August 1, 1989, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above model engines only. This approval should not be extended to other engines 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 engine. A copy of this Certificate must be maintained as part of the permanent records for the modified engine.

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 4, 1988

Date reissued: November 9, 1990

Date of issuance: August 18, 1989

Date amended:

By direction of the Administrator

David G. Hurley

(Signature)

Manager, Aircraft Modification Branch
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)