United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA3345NM

This certificate, issued to Merlyn Products, 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 23 *of the* Federal Aviation *Regulations.*

Original Product — Type Certificate Number: A12CE

Make: Beechcraft

Model: 60, A60 and B60

Description of Type Design Change: This Supplemental Type Certificate (STC) approves the installation of engines modified in accordance with STC SE3346NM on Beechcraft 60, A60, and B60 airplanes. Installation must be accomplished in accordance with Merlyn Products, Inc., Induction Air Intercooler System Installation Instructions, Report 01-1, Revision A, dated March 21, 1986, or later FAA approved revisions. Supplemental Type Certificate (STC) Number SE3346NM approved the incorporation of Merlyn Products, Inc., air intercooler system on Lycoming Model TIO-541-E1A4 and TIO-541-E1C4 engines.

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

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 1, 1986

Date reissued: APR 7 1986

Date of issuance: APR 7 1986

Date amended:

By direction of the Administrator

William B Ashworth

(Signature)

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)

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA3345NM

Merlyn Products, Inc.

Applicability of the Design Change

Supplemental Type Certificate (STC) SE3346NM permitted the modification of Lycoming Model TIO-541-E1A4 and TIO-541-E1C4 engines by the installation of Merlyn Products, Inc. induction air intercooler accomplished in accordance with Merlyn Products, Inc., Induction Air Intercooler System Installation Instructions, Report No. 01-1, Revision A, dated March 21, 1986.

The Model designation for these modified engines is TIO-541-E1A4 MP and TIO-541-E1C4 MP and they may be installed in the following Beechcraft airplanes only:

Airplane Model	Type Cert. No.	Regulation	Cert. Basis Effective Date	Amendments
60	A12CE	FAR Part 23	2-1-65	1, 2, 3, 7, 11, 12
A60	A12CE	FAR Part 23	2-1-65	1, 2, 3, 7, 11, 12
B60	A12CE	FAR Part 23	2-1-65	1, 2, 3, 7, 11, 12

Engine Limits:

Takeoff and maximum continuous power at 2,900 r.p.m. and 41.5 in. Hg., 380 b. HP.

-END-

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

FAA FORM 8110-2-1 (10-69)

This certificate may be transferred in accordance with FAR 21.47.