United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SE4384NM

This certificate, issued to Ritter Cams, Inc.
Vale, OR

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.*

Original Product—Type Certificate Number: E-273

Make: Teledyne Continental

Model: O-470-R

Description of Type Design Change: The original Continental camshaft for the engine model listed above is being replaced with a camshaft manufactured in accordance with Ritter and Iverson Co., Inc. Master Drawing List No. XI, dated November 7, 1985, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies specifically to the above engine model only. This approval should not be extended to other engines of this model on which other previously approved modifications are incorporated unless it is determined that the inter-relationship between this change and any of these other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that engine. (See continuation sheet)

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: August 1, 1988

Date reissued:

Date of issuance: December 9, 1988

Date amended: July 30, 1992

By direction of the Administrator

S. F. 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 SE4384NM

A copy of this certificate shall be maintained as part of the permanent records for the modified engine.

Applicability of the Design Change:

The following engine model is eligible to use a camshaft, manufactured in accordance with Ritter & Iverson Co., Inc. Master Drawing List No. XI, in place of the original Continental camshaft:

Engine Model	Type Cert No.	Regulation
O-470-R	E-273	CAR 13

Installation of the engine modified per this STC is limited to the following Cessna Model aircraft:

Model	Type Cert. No.
182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, and 182P	3A13
180 (Only the Serial Number 31002 is eligible)	5A6
180C, 180D, 180E, 180F 180G, 180H, AND 180J	5A6

-END-