

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

Number SE552GL

This certificate issued to Shadin Avionics
6831 Oxford Street
St. Louis Park, MN 55426

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.
(See Type Certificate Data Sheet 3E1 for complete certification basis.)

Original Product--Type Certificate Number : E31
Make : Teledyne Continental Motors
Model : IO-470-D, IO-470-J, IO-470-K, IO-470-L,
IO-470-N, IO-470-U, IO-470-V, IO-470-VO,
IO-470-E, IO-470-S

Description of Type Design Change:

Incorporation of a Fuel Flow Transducer in accordance with Shadin Company Report Number 4029, dated November 5, 1990, or later FAA Approved revisions.

Limitations and Conditions:

- 1) This approval should not be extended to other engines of these models on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will introduce no adverse effect on the airworthiness of these engines.
- 2) 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 : July 14, 1981

Date reissued : June 8, 2006

Date of issuance : August 25, 1981

Date amended : January 24, 1991



By direction of the Administrator

(Signature)

Charles L. Smalley
Manager, Systems & Flight Test Branch
Chicago Aircraft Certification Office

(Title)