

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

Number SE459GL

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 3 of the Civil Air Regulations. (See Type Certificate Data Sheet 1E10 for complete certification basis.)

Original Product--Type Certificate Number: 1E10

Make: Lycoming Engines

Model: IO-360-A1A, -A1B, -A1B6 -A1B6D, -A1C, -A1D, -A1D6, -A2A, -A2B, -A2C, -A3B6D, -B1B, -B1C, -B1D, -B1E, -B1F, -B2F6, -B2E, -B2F, -B4A

Description of Type Design Change:

Incorporation of a Fuel Flow Transducer in accordance with Shadin Company Report number 4050, revised March 9, 1982, or subsequent FAA approved revision.

Limitations and Conditions:

- 1) This approval should not be extended to other engines of these models that incorporate any other previously approved modification, unless it is determined that the interrelationship between this change and any other previously approved modification 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: March 9, 1982

Date reissued: June 8, 2006

Date of issuance: June 10, 1982

Date amended:



By direction of the Administrator

(Signature)

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

(Title)