

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

Number SE611GL

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 1E4 for complete certification basis.)

Original Product - Type Certificate Number : 1E4
Make : Lycoming Engines
Model : IO-540-J4A5, -C4B5, -C4D5D, -C1B5, -G1B5, -G1C5, -G1D5,
-K1A5, -K1A5D, -K1G5, -K1G5D, -D4A5, -N1A5, -R1A5,
- T4B5D

Description of Type Design Change:

Incorporation of a Fuel Flow Transducer in accordance with Shadin Company Report Number 4046, revised September 10, 1990, or other FAA Approved revision.

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 : November 20, 1981

Date reissued : June 8, 2006

Date of issuance : June 4, 1982

Date amended : September 24, 1984, October 17, 1984,
June 20, 1985, July 8, 1986, December 18, 1990



By direction of the Administrator

(Signature)

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