

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

Number SE442GL

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 1E7 for complete certification basis.)

Original Product -- Type Certificate Number : 1E7
Make : AVCO Lycoming
Model : IGSO-540-A1A and IGSO-540-A1D

Description of Type Design Change:

Incorporation of a Fuel Flow Transducer in accordance with Shadin Company Report number 4016 revised July 16, 1980.

Limitations and Conditions:

- 1) The approval of this change in type design applies to the basic Lycoming IGSO-540-A1A and IGSO-540-A1D engines which are otherwise unmodified. 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 : August 2, 1979

Date reissued : June 8, 2006

Date of issuance : September 15, 1980

Date amended :



By direction of the Administrator

(Signature)

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

(Title)