

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

*Number* SE999GL

*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 Type Certificate #5E-1 Regulations.*

*Original Product - Type Certificate Number :* 5E-1  
*Make :* Pratt and Whitney  
*Model :* R-1340-36, -40, -47, -49, -49M1, -51, -51M1,  
-53, -57, -AN-1, -AN-2

*Description of Type Design Change:*

Installation of a Shadin Company Fuel Flow Transducer in accordance with Shadin Report 4096 dated January 9, 1986, or other FAA approved revision.

*Limitations and Conditions:*

- 1) This approval should not be extended to other engines of this model 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 :* January 9, 1986

*Date reissued :* June 8, 2006

*Date of issuance :* February 20, 1986

*Date amended :*



*By direction of the Administrator*

(Signature)

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

(Title)