

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

Number SE03498AT

*This certificate issued to*

Alamo Aerospace, LP  
351 Airport Drive  
Decatur, Texas 76234

*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.*  
(\*CAR 13 effective June 15, 1956, as Amended by 13-1, 13-2, and 13-3)

*Original Product--Type Certificate Number:* 1E4  
*Make:* Lycoming Engines  
*Model:* IO-540-D4B5

*Description of Type Design Change:* Conversion of Lycoming IO-540-D4B5 to Alamo Aerospace Model IO-540-D4B5-AA that has the same performance ratings and limitations as Lycoming Model IO-540-D4B5 except for an oil sump capacity of 8 US quarts. Conversion of Model IO-540-D4B5 to Model IO-540-D4B5-AA shall be performed in accordance with Alamo Aerospace Engine Assembly Drawing 1402, Revision New dated June 22, 2007, or later FAA Approved revision.

*Limitations and Conditions:* This approval should not be extended to other engines of this model 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 produce no adverse effect upon the airworthiness of that engine/aircraft. 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. The Model IO-540-D4B5-AA shall be installed, operated and maintained in accordance with Alamo Aerospace Report 99008-6, Operator's Manual Supplement for a Lycoming IO-540-D4B5 Engine Modified per Alamo Aerospace STC No. SE03498AT, Revision New dated September 14, 2007, and Alamo Aerospace Report 99008-5, Instructions for Continued Airworthiness for a Lycoming IO-540-D4B5 Engine Modified per Alamo Aerospace STC No. SE03498AT, Revision New dated September 18, 2007, or later FAA Approved Revisions.

*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:* May 15, 2007

*Date reissued:*

*Date of issuance:* October 16, 2007

*Date amended:*



*By direction of the Administrator*

(Signature)

Melvin D. Taylor  
Manager  
Atlanta 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.

*Number*