

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

*Number* **SE01998SE**

*This certificate, issued to:*

**American Blimp Corporation  
1900 N.E. 25<sup>th</sup> Ave., Suite 5  
Hillsboro, OR 97124**

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 13 of the Civil Aviation Regulations.*

*Original Product—Type Certificate Number:* 1E10  
*Make:* Lycoming  
*Model:* IO-360-B1G6

*Description of the Type Design Change:* Support Assembly replacement: Removes the existing Support Assembly – Starter Ring Gear, and existing alternator, then replaces the support assembly with a new one, according to American Blimp Corporation (ABC) Master Drawing List (MDL) FW-ABC511-90, Revision B, dated July 21, 2009, or later FAA-approved revision. The purpose of this change is to modify the above engine to drive two alternators for use on the ABC A-1 series airships.

*Limitations and Conditions:* Approval of this change in type design applies to the above engine model only. The modified engine is only eligible for installation on the ABC A-1 series airship per Type Certificate Data Sheet (TCDS) SO0002SE. This approval should not be extended to other engines of this model series unless the installer determines that the relationship between this change and any other previously incorporated approved modifications will introduce no adverse effect upon the airworthiness of that engine. A copy of this Certificate (and the Airplane Flight Manual Supplement) must be maintained as part of the permanent records of the modified engine.

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:* May 01, 2009  
*Date of issuance:* July 27, 2009

*Date reissued:*  
*Date amended:*



*By direction of the Administrator*

**Original Signed by Philip L. Forde**

\_\_\_\_\_  
(Signature)  
Acting Manager, Seattle 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.**

***This certificate may be transferred in accordance with FAR 21.47.***