

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

*Number* SE8707SW

*This Certificate issued to* Maximum Performance Inc.  
14020 Harbor Drive  
Waco, TX 76712

*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.*

*Original Product Type Certificate Number:* E-223  
*Make:* AVCO Lycoming  
*Model:* See Limitations and Conditions

*Description of Type Design Change:*

Alteration of Lycoming O-235 engine to allow use of ethanol fuel in accordance with Engine Components drawing number AEL65053, Rev. A dated November 02, 1993, or later FAA approved revision.

*Limitations and Conditions:*

Engine installation and operation instructions are in Engine Components Report 9303-2 dated March 29, 1993. Ethanol fuel must meet ASTM Specification D4806-91. The installer must determine whether this design change is compatible with previously approved modifications. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

This modification is eligible on the following Avco Lycoming engines: O-235-C1, C1A/B/C, C2A, C2B/C, E1, E1B, E2A/B, F1, F1B, F2A/B, G1, G1B, G2A/B, H2C, J2A/B, K2A/B/C, L2A/C, and M.

*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:* April 07, 1992

*Date reissued:* May 31, 2007

*Date of issuance:* November 03, 1993

*Date amended:*



*By direction of the Administrator*

(Signature)  
S. Frances Cox, Manager  
Special Certification Office,  
Southwest Region

(Title)