

DepartmentofTransportation\_FederalAviationAdministration

## Supplemental Type Certificate

*Number* SA00169SE*This certificate, issued to***Merlyn Products, Inc.  
7500 West Park Drive  
Spokane, WA 99224**

*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 3 of the Civil Air Regulations.*

<i>Original Product—Type Certificate Number:</i>	6A1
<i>Make:</i>	Twin Commander
<i>Model:</i>	500B, 500S, 500U

*Description of the Type Design Change:* Install the Lycoming IO-540-M1C5 engine and Hartzell HC-C3YR-2UF/FC8468()-6R propeller in accordance with Merlyn Products, Inc. report Number 37-11, Revision N/C, dated September 9, 1999, and Merlyn Products Drawing List 37-TDL, Revision B, dated September 29, 1999, or later FAA approved revisions to either of these documents; and increase the maximum gross weight for these airplanes from 6750 pounds to 7000 pounds.

*Limitations and Conditions:* Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other engines of these models on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and Merlyn Products Airplane Flight Manual Supplement, dated June 2, 2000, must be maintained as part of the permanent records for the modified 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.

*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 8, 1994*Date reissued:**Date of issuance:* August 4, 1995*Date amended:* June 2, 2000*By direction of the Administrator*

(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.