

# Supplemental Type Certificate

*Number* SA5202NM

*This certificate, issued to* **Fly In Vacations**  
**6395 Parkhill Road**  
**Santa Margarita, California 93453**

*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 23\* of the Federal Aviation Regulations.*

\*Certification basis is set forth in Type Certificate Data Sheet A12SO

*Original Product—Type Certificate Number:* A12SO  
*Make:* Commander Aircraft Corporation  
*Model:* 112 and 112B

*Description of the Type Design Change:*

Installation of AVCO-Lycoming engine Model I0-360-C1D6 modified in accordance with Supplemental Type Certificate No. SE5203NM for installation of turbocharger and induction air intercooler. Installation shall be in accordance with "Installation Manual, Installation Drawings, and Parts List (P/N RCM-1000)", dated September 5, 1990, or later FAA approved revision. Also, installation of Hartzell HC-E3YR-1RF/F7392 propeller and C-3535-1(P) spinner in accordance with Installation Instructions, dated January 25, 1998, or later FAA approved revision.

*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 aircraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer 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 the appropriate FAA Approved Airplane Flight Manual Supplement must be maintained as part of the permanent records for the modified aircraft.

**NOTE 1:** For all aircraft modified in accordance with this STC to install the turbocharged induction cooled Lycoming engine Model I0-360-C106, FAA Approved Flight Manual Supplement dated February 2, 1991, or later FAA approved revision must be maintained as part of the permanent records for the modified aircraft.

**NOTE 2:** For all aircraft modified in accordance with this STC to install the Hartzell HC-E3YR-1RF/F7392 propeller, FAA Approved Flight Manual Supplement dated February 23, 1998, or later FAA approved revision 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:* February 7, 2002

*Date reissued:* June 2, 2014

*Date of issuance:* June 20, 2003

*Date amended:* March 6, 1998



*By direction of the Administrator*

\_\_\_\_\_  
Todd Dixon (Signature)  
Northwest Mountain Regional Manager  
Denver 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.**