

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

*Number* SA2154NM

*This Certificate issued to* Turboplus Aircraft Systems, Inc.  
4117 35<sup>th</sup> Ave NW  
Gig Harbor, WA 98335

*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.*

*Original Product Type Certificate Number :* 2A3

*Make :* Mooney

*Model :* M20K

*Description of Type Design Change:*

Installation of Turboplus, Inc., Intercooler System M20K-12000, in accordance with Turboplus, Inc., Installation Instructions No. M20-K-12000, dated April 16, 1984, or later FAA approved revision.

NOTE 1: This installation utilizes the original Mooney Air Induction System.

NOTE 2: A design change to the system, as amended February 28, 1986, includes a removal of the exit air plenum, the modification of the Mooney production cowl flaps (Turboplus Dwg. No. 12839) and the modification of the Mooney cabin heat valve as per Turboplus, Inc. Dwg. No. 12000 (Rev. A).

*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 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 FAA Approved Flight Manual Supplement 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 :* September 26, 1983

*Date reissued :* 3/20/86; 10/30/87; 10/25/00;  
8/25/05 ; 10/15/07; 2/24/17

*Date of issuance :* October 26, 1983

*Date amended :* 3/20/86; 10/25/00



*By direction of the Administrator*

*[Signature]*  
(Signature)  
Manager, Technical and Administrative Support  
Staff, Los Angeles Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.