

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

*Number* SA02414CH-D

*This certificate issued to*  
Hartzell Propeller Inc.  
One Propeller Place  
Piqua, OH 45356-2634

*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.*  
(See Type Certificate Data Sheet 2A3 for the complete certification basis).

*Original Product—Type Certificate Number:* 2A3  
*Make:* Mooney Airplane Company, Inc.  
*Model:* M20A, M20B, M20C, M20D, M20E, M20F,  
M20G, M20J

*Description of Type Design Change:*  
Installation of the Hartzell propeller model HC-C2YR-1BFP/F7497 and Hartzell 835-54(P), 103585 or A-2295-5(P) spinner in accordance with Hartzell STC Installation Instructions INST\_011007 dated July 12, 2007, or later FAA Approved revisions.

*Limitations and Conditions:*  
1. Compatibility of this design change with previously approved modifications must be determined by the installer.

(Continued....)

*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:* January 10, 2007

*Date reissued:*

*Date of issuance:* July 12, 2007

*Date amended:* August 4, 2010

*By direction of the Administrator*



STC SA02414CH-D  
Date of issuance:  
July 12, 2007  
Date amended:

\_\_\_\_\_  
(Signature)  
Brian E. Meyer  
STC ODA administrator  
Hartzell ODA-100082-CE  
\_\_\_\_\_  
(Title)

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

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**Supplemental Type Certificate**  
(Continuation Sheet)

August 4, 2010

Limitations and Conditions continued...

2. Airplane Flight Manual Supplement AFMS\_011007\_1 is required for M20A, M20B, M20C, M20D, and M20G aircraft.
3. Airplane Flight Manual Supplement AFMS\_011007\_2 is required for M20E and M20F aircraft.
4. Airplane Flight Manual Supplement AFMS\_011007\_3 is required for M20J aircraft.
5. Instructions for Continued Airworthiness ICA\_011007 are applicable.
6. This modification did not increase the noise level and was not considered an acoustical change as defined in 14 CFR 21.93(b).
7. 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.

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Comment [RL1]: Page: 1