

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

*Number* SA03165CH

*This certificate issued to* Flight Resource, LLC  
P.O. Box 767  
Chetek, WI 54728

*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 No. 2A3 for complete certification basis)

*Original Product--Type Certificate Number :* 2A3

*Make :* Mooney Aviation Company, Inc.

*Model :* M20R, M20S and M20TN

*Description of Type Design Change:*

Installation of MT Propeller model MTV-14-D/(188-193)-30( ) in Mooney aircraft models M20R, M20S and M20TN in accordance with Flight Resource LLC Installation Instructions FR1107-3, Revision IR, dated August November 28, 2012, or later FAA approved revisions.

*Limitations and Conditions:*

1. FAA Approved Aircraft Flight Manual Supplement, FR1107-8, Revision IR, approved March 20, 2013, or later FAA approved revision is required.
2. FAA Accepted Instructions for Continued Airworthiness, FR1107-4, Revision IR, dated November 28, 2012, or later FAA accepted revision is required for this modification.
3. The installer must determine whether this design change is compatible with previously approved modifications.
4. 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 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 :* March 24, 2011

*Date reissued :*

*Date of issuance :* March 22, 2013

*Date amended :* May 7, 2013



*By direction of the Administrator*  
**Original Signed By:**  
**Timothy Smyth**

(Signature)

Timothy P. Smyth, Manager  
Propulsion and Program Management Branch  
Chicago 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.

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**Supplemental Type Certificate**  
(Continuation Sheet)

*Number*