



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

Number: SA03165CH

This certificate issued to: McFarlane Aviation LLC  
696 East 1700 Road  
Baldwin City, KS, 66006

*Certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.*

Original Product  
Type Certificate Number: 2A3

Make: Mooney  
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: October 26, 2022

Date of Issuance: March 22, 2013

Date Amended: May 7, 2013

By Direction of the Administrator

Signature:

Title: Roy E. Boffo III  
Manager, Propulsion & Program Management Section  
Chicago ACO Branch  
Compliance & Airworthiness Division

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession on this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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**Instructions:** The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

**Transfer Endorsement**

Transfer the ownership of Supplemental Type Certificate Number: \_\_\_\_\_

**To** (Name and address of transferee):

**From** (Name and address of grantor):

**Extent of Authority** (if licensing agreement):

**Date of transfer:** \_\_\_\_\_

**Signature of grantor:** \_\_\_\_\_

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