



Supplemental Type Certificate

Number SA00353BO

This certificate issued to:

Flight Enhancements Corporation
47 Oakcrest Rd
Oxford, CT 06478

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 23 of the Federal Aviation Regulations.

Original Product - Type Certificate Number: 2A3

Make: Mooney International Corporation
Model: M20 M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J

Description of Type Design Change:

Installation of an auto lean system in accordance with Flight Enhancements document number AL-TLD-001.

Limitations and Conditions:

- 1. Operation must be in accordance with the Flight Enhancements Corp. Aircraft Flight Manual Supplement (AFMS) Document Number AL-AFM-001, Revision 02, FAA approved on May 15, 2015, or later FAA approved revision.

The AFMS must be carried in the aircraft during all flights.

(continued on Page 3 of 4)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: April 21, 2014

Date reissued:

Date of Issuance: May 15, 2015

Date amended:

By direction of the Administrator

Signature Robert G. Mann

Title Manager, Boston 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. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of 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 use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

**SUPPLEMENTAL TYPE CERTIFICATE, FAA FORM 8110-2
(CONTINUED)**

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 of transferee)*

(Address of transferee)

(Number and street)

(City, State, and ZIP Code)

From *(Name of
grantor)*

(Address of grantor)

(Number and street)

(City, State, and ZIP Code)

Extent of Authority (if licensing agreement):

Date of Transfer:

Signature of grantor:



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SA00353BO

May 15, 2015

Limitations and Conditions: (continued from Page 1 of 3)

2. Maintenance must be in accordance with Instructions for Continued Airworthiness (ICA), Document Auto Lean ICAW revision 1, dated January 02, 2015, or later FAA accepted revision. The ICA must be made available to the operator at the time of installation.
3. Operation of the auto lean system is prohibited below 2500 ft AGL.

Certification Basis:

Based on 14 CFR § 21.115 and § 21.101, and the FAA policy for design changes that are identified as not significant in FAA Order 8110.48, the certification basis for the Make Model aircraft is as follows:

- a. The type certification basis for parts **not changed or not affected** by the change is shown on the applicable TCDS.

(continued on Page 3 of 4)

Certification Basis: (continued from Page 3 of 4)

- b. The modification certification basis for parts **changed or affected** by the change since the reference application date, April 21, 2014, is based upon part 23 as amended by Amendment 23-62 as follows:

Regulations at the latest amendment 23-0 through 23-62

23.301(a), 23.305, 23.561(a)(3), 23.773(a)(2), 23.779(b)(1), 23.781(b), 23.867(b), 23.1141(c), 23.1147(a)(2), 23.1301, 23.1309(a)(2)(b)(c)(3)(d), 23.1322, 23.1357, 23.1367, 23.1521, 23.1529, 23.1541, 23.1581, 23.1583(m), 23.1585(j)

Regulations at an intermediate amendment

None

Regulations at the amendment level in the applicable TCDS

None

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