

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

Number SA4176SW

DT83-1SW
FKP-190

This certificate, issued to S-TEC Corporation
Rt. 4, Bldg. 946
Wolters Industrial Complex
Mineral Wells, Texas 76067

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: M20F, M20G, M20J

Description of Type Design Change: Installation of S-TEC System 60 Two Axis Flight Guidance System, Model ST-015, with Optional Autotrim System according to Bulletin No. 115, Revision 5, dated 5/10/82 and Master Drawing List No. 9212, Revision E, dated 5/10/82, with Optional Flight Director Steering Horizon; or according to later FAA approved revision. (14 Volt System)

Limitations and Conditions: See Continuation Sheet, page 2, of this STC.

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: July 10, 1980

Date reissued: 8/10/81; 7/12/82; 7/30/82
Revision 3

Date of issuance: August 11, 1980

Date amended:



By direction of the Administrator
Don P. Watson
(Signature)
Don P. Watson
Manager, Aircraft Certification Division
Southwest Region
(Title)

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 in accordance with FAR 21.47.

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Supplemental Type Certificate
(Continuation Sheet)

Number

SA4176SW

Revision 3

Limitations and Conditions:

1. Pilot's Operating Handbook and FAA Approved Airplane Flight Manual Supplement P/N 8909 dated 8/11/80 is required for Mooney Models M20F and M20J; OR,

FAA Approved Supplement to Pilot's Operating Handbook and/or FAA Approved Airplane Flight Manual, P/N 8909-1 dated 7/12/82, is required for Mooney Model M20J; OR,

FAA Approved Supplement to Pilot's Operating Handbook and/or FAA Approved Airplane Flight Manual P/N 8909-2 dated 7/30/82 is required for Mooney Model M20J with S-TEC System 60 Two Axis Automatic Flight Guidance System with Optional Autotrim System (Using Roll Servo P/N 0105-1-R2); OR,

FAA Approved Supplemental Flight Manual P/N 89125 dated 7/12/82 is required for Mooney Models M20F and M20G with S-TEC System 60 Two Axis Automatic Flight Guidance System; OR,

FAA Approved Supplemental Flight Manual P/N 89125-1 dated 7/30/82 is required for Mooney Models M20F and M20G with S-TEC System 60 Two Axis Automatic Flight Guidance System with Optional Autotrim System (Using Roll Servo P/N 0105-1-R2)

2. Compatibility of this modification with other previously approved modifications must be determined by the installer.

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

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional 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) (Print or type)* _____

(Address of grantor) _____
(Number and street)

(City, State, and ZIP code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____