



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

Number: SA02573SE

This certificate issued to: Garmin International, Inc.
1200 East 151st Street
Olathe, KS 66062

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:	Make: Mooney Aircraft Corporation
2A3	Model: M20() Series

Description of Type Design Change:

Installation of a Garmin GDL 82 UAT Datalink Transceiver (Complies with ADS-B Out Rule) in the Mooney M20() series aircraft. Data required includes Garmin Master Drawing List (MDL) 005-01008-A1 Revision 1, dated December 14, 2017 or later FAA-approved revision; Garmin Airplane Flight Manual Supplement (AFMS) 190-01810-12 Revision 1, dated December 14, 2017 or later FAA-approved revision; Garmin Maintenance Manual (Includes Instructions for Continued Airworthiness (ICA)) 190-01810-11 Revision 1, dated December 14, 2017 or later FAA-approved revision.

Limitations and Conditions:

- (1) The installer must determine whether this design change is compatible with previously installed modifications.
- (2) 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.
- (3) A copy of this certificate, the approved AFMS, and the approved ICA must be maintained as part of the permanent records for the modified aircraft.

(See Continuation Sheet on Page 3)

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: March 9, 2017

Date Reissued:

Date of Issuance: December 14, 2017

Date Amended:

By Direction of the Administrator

Signature Erik E. Frisk

Title Erik E. Frisk
ODA STC Unit Administrator
ODA-240087-CE

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).



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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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(Continuation Sheet)
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Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this change is as follows:

- a. The certification basis for parts not changed or not affected by this change is shown on TCDS 2A3.
- b. The certification basis for parts changed or affected by this change is at amendment Original through 23-62, with additional compliance to 23.2515 at amendment 23-64.

<u>Section</u>	<u>Amdt.</u>	<u>Section</u>	<u>Amdt.</u>	<u>Section</u>	<u>Amdt.</u>
23.301 (a)(b)(c)	23-48	23.771 (a)	23-14	23.1357 (a)(b)(c)(d)	23-43
23.303 (All)	Original	23.773 (a)(2)	23-45	23.1359 (All)	23-49
23.305 (All)	23-45	23.777 (a)(b)	23-62	23.1365 (a)(b)(d)(e)	23-49
23.307 (a)	Original	23.853 (a)	23-62	23.1367 (a)(b)(c)(d)	Original
23.337 (All)	23-48	23.863 (a)(b)	23-34	23.1431 (a)(b)	23-62
23.561 (b)(3)(e)	23-62	23.1301 (a)(b)(c)	23-62	23.1501 (All)	23-21
23.601 (All)	Original	23.1307 (All)	23-49	23.1525 (All)	23-45
23.603 (All)	23-23	23.1308 (a)(b)(c)	23-57	23.1529 (All)	23-26
23.605 (a)	23-23	23.1309 (a)(b)(c)(d)	23-62	23.1541 (a)(2)(b)	23-21
23.607 (a)(b)	23-48	23.1310 (All)	23-62	23.1555 (a)(b)	23-62
23.609 (All)	Original	23.1322 (b)(e)	23-43	23.1581 (a)(b)(c)(f)	23-50
23.611 (All)	23-48	23.1331 (b)(1)	23-62	23.1583 (h)(m)	23-62
23.613 (a)(b)(d)	23-45	23.1351 (a)	23-49	23.1585 (j)	23-62
23.627 (All)	Original	23.1353 (h)	23-62	23.2515 (All)	23-64

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