



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA01818WI

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:

Multiple - AML STC

Model:

See Approved Model List (AML) SA01818WI for approved aircraft models and applicable airworthiness regulations

Description of Type Design Change:

Installation of Garmin G5 Electronic Flight Instrument

Data Required:

- (1) Garmin Master Drawing List (MDL) 005-01112-01, Revision 1, dated July 22, 2016
- (2) Garmin G5 STC Maintenance Manual including ICA 190-01112-11, Revision 1, dated July 22, 2016
- (3) Garmin G5 Airplane Flight Manual Supplement 190-01112-13, Revision 1, dated July 22, 2016

Later FAA-approved revisions to the data listed above are incorporated without amendment to this certificate

Limitations and Conditions:

- (1) Compatibility of this design change with previously approved modifications must be determined by the installer.
 - (2) The installation of the G5 requires the retention of the mechanical airspeed indicator, altimeter, and vertical speed indicator. If the G5 is installed as the primary attitude, it requires retention of the existing rate of turn indicator. If installed in place of the rate of turn indicator, it requires retention of the existing primary attitude indicator.
- (continued on Sheet 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: May 5, 2016

Date Reissued:

Date of Issuance: July 22, 2016

Date Amended:

By Direction of the Administrator

Signature _____

Title Robert G. Murray
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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Limitations and Conditions (Cont.)

- (3) Aircraft modified by this STC must be operated in accordance with the Airplane Flight Manual Supplement (AFMS) identified above.
- (4) Aircraft modified by this STC must be maintained in accordance with the Instructions for Continued Airworthiness (ICA) identified above.
- (5) If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

*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 remains unchanged from the original approval.
- b. The certification basis for parts changed or affected by this change is:

Section	Amdt.
23.301(a)	23-48
23.303	Orig.
23.305(a)(b)	23-45
23.307(a)	Orig.
23.561(a)(b)(3)(e)	23-48
23.601	Orig.
23.603	23-23
23.605(a)	23-23
23.607(b)	23-48
23.613(a)(b)	23-45
23.771(a)	23-14
23.773(a)(2)	23-45
23.777(a)(b)	23-33
23.1301	23-20
23.1303(a)(b)(f)	23-49
23.1307	23-49
23.1309(a)(b)(c)(d)(e)	23-49
23.1311(a)(1)(2)(3)(6)(7)(b)	23-49
23.1321(c)(d)(e)	23-49
23.1322	23-43

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Certification Basis continued:

Section	Amdt.
23.1323(a)(b)(c)	23-49
23.1325(a)(b)	23-49
23.1331(a)(b)(1)(c)	23-43
23.1351(a)	23-49
23.1353(h)	23-49
23.1357(a)(b)(c)(d)	23-43
23.1359	23-49
23.1365(a)(b)(d)(e)	23-49
23.1381(a)(b)	Original
23.1431(a)(b)	23-49
23.1529	23-26
23.1541	23-21
23.1543(b)	Original
23.1545(a)(b)(c)	23-23
23.1555(a)(b)	23-21
23.1581(a)(b)(d)(f)	23-45
23.1585(a)	23-45

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