

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

Number SA01535WI-D

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: A24CE
Make: Beechcraft
Model: 200, 200C, B200, B200C, B200GT, B200CGT
300, 300LW, B300, B300C

Description of Type Design Change:

Installation of the Garmin G1000 Integrated Avionics System and GFC 700 Automatic Flight Control System and optional Electronic Stability and Protection (ESP)

Required Data for Model 200 series:

- (1) Garmin Master Drawing List (MDL) 005-00421-00, Revision 3, dated 3/14/2009
- (2) Garmin Airplane Flight Manual Supplement (AFMS) 190-00915-02, Revision 1, dated 3/14/2009

Required Data for Model 300 series:

- (1) Garmin Master Drawing List (MDL) 005-00629-00, Revision 1, dated 5/11/2012
- (2) 300, 300LW Garmin Airplane Flight Manual Supplement (AFMS) 190-00716-02, Revision 1, dated 5/11/2012
- (3) B300, B300C Garmin Airplane Flight Manual Supplement (AFMS) 190-00716-03, Revision 1, dated 5/11/2012

Later FAA-approved revisions to the data listed above are incorporated without further revision to this Supplemental Type Certificate.

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: February 29, 2008

Date reissued:

Date of issuance: March 14, 2009

Date amended: December 14, 2009, November 23, 2010
May 11, 2012, May 14, 2013, February 28, 2014



By direction of the Administrator

Original signed by Robert Murray

(Signature)

Robert Murray
ODA STC Unit Administrator
ODA-240087-CE
Garmin International, Inc.

(Title)

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 the ownership of Supplement Type Certificate Number _____

To *(Name of transferee) Print or type* _____

(Address of grantor) _____
(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)*: _____

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Date Amended: December 14, 2009; November 23, 2010; May 11, 2012;
May 14, 2013, February 28, 2014

Limitations and Conditions:

- (1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- (2) Additional airframe, engine and propeller configuration requirements are defined in the data shown on the Garmin Master Drawing List (MDL) identified above.
- (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) listed in the Master Drawing List (MDL) 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.
- (6) This STC provides Group Airworthiness Approval for Reduced Vertical Separation Minimum (RVSM).
- (7) The Model 200 series optional Electronic Stability and Protection requires MDL 005-00421-00 Rev 9 or later and AFMS 190-00915-02 Rev 4 or later.
- (8) Aircraft, s/n FL-1 to FL-110, FM-1 to FM-8 and FN-1, are approved for improved field performance when modified by Beech Kit 130-3004 prior to or concurrent with this STC installation. The Hawker Beechcraft Airplane Flight Manual Supplement (AFMS) p/n 130-590031-75, must be attached to the POH/AFM for improved performance operation.

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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 A24CE.
- b. The certification basis for parts **changed** or **affected** by this change is:

<u>Section</u>	<u>Amdt</u>	<u>Section</u>	<u>Amdt</u>	<u>Section</u>	<u>Amdt</u>
23.143	23-50	23.677 a,d	23-49	23.1329 a,b,c,d,e,f,g,h	23-49
23.181 b	23-45	23.681 a	Original	23.1331 a, b(1)	23-43
23.207 a, b	23-7	23.683	23-7	23.1335	23-20
23.251	23-45	23.685 a,c,d	23-17	23.1351 a,g	23-49
23.301 a	23-48	23.689 a,b,c,d,e	23-7	23.1353 h	23-49
23.303	Original	23.771 a	23-14	23.1357 a,b,c,d	23-43
23.305	23-45	23.773 a(2)	23-45	23.1359	23-49
23.307 a	Original	23.777 a,b	23-51	23.1365 a,b,d,e	23-49
23.337	23-48	23.779 a	23-51	23.1367	Original
23.365 d	Original	23.853 a	23-49	23.1381 a,b	Original
23.395 a(1)	23-7	23.863	23-34	23.1419 a,c	23-43
23.397	23-45	23.867 a,b,c	23-49	23.1431 a,b,e	23-49
23.561 e	23-34	23.901 e	23-53	23.1501	23-21
23.571 c	23-48	23.1301	23-20	23.1521 a,b,c	23-50
23.573 b	23-48	23.1303 a,b,d,f	23-49	23.1523	23-34
23.601	Original	23.1305 a(2)(3),c(1)(2)(5),e(1)	23-52	23.1525	23-45
23.603	23-23	23.1307	23-49	23.1529	23-26
23.605 a	23-23	23.1308 a,b,c	23-57	23.1541 a,b	23-21
23.607	23-48	23.1309 a(1)(3),b,c,d,e,f	23-49	23.1543 b,c	23-50
23.609	Original	23.1311 a,b,c	23-49	23.1545 a,b,d	23-50
23.611	23-48	23.1321	23-49	23.1549	23-45
23.613 a,b,c	23-45	23.1322	23-43	23.1555 a,b,e(2)	23-50
23.627	Original	23.1323 a,b,c	23-49	23.1581 a,b(1)(3),c,d,f	23-50
23.671	Original	23.1325 a,b,e	23-50	23.1583 e,h,m	23-50
		23.1327	23-20	23.1585 a(1),j	23-50

Additional requirements for the Models 300 and 300LW:

<u>Section</u>	<u>Amdt</u>
23.149 a,b,c,d,e	23-50
23.672 b, c	23-45
23.1303 e	23-49

Additional requirements for the Models B300 and B300C:

<u>Section</u>	<u>Amdt</u>	<u>Section</u>	<u>Amdt</u>
23.149 a,b,c,d,e,f	23-50	23.1309 a(4)	23-49
23.672 b, c	23-45	23.1323 e	23-49
23.1303 e,g	23-49		

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