

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

Number SA01444W1-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: A47CE
Make: Diamond
Model: DA 40, DA 40F

Description of Type Design Change:

Upgrade of G1000 and GFC 700 AFCS software and installation of optional WAAS hardware upgrades.

Data Required:

- (1) Garmin Master Drawing List (MDL) 005-00400-01, Revision 1, Dated July 26, 2007 or later FAA-approved revision.
- (2) Garmin G1000/GFC700 AFMS, 190-00492-10, Revision 1, Dated July 26, 2007 or later FAA-approved revision, or Garmin G1000 AFMS, 190-00492-11, Revision 1, Dated July 26, 2007 or later FAA-approved revision, or G1000/KAP140 AFMS, 190-00492-12, Revision 1, Dated February 28, 2008 or later FAA-approved revision, as required by the MDL.

Limitations and Conditions:

Compatibility of this design change with previously approved modifications must be determined by the installer.

The modified aircraft must be operated in accordance with the applicable Airplane Flight Manual Supplement (AFMS) identified on the Master Drawing List, appropriate to the configuration installed on the aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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: Sept. 28, 2006

Date reissued:

Date of issuance: July 26, 2007

Date amended: February 28, 2008



By direction of the Administrator


(Signature)

Robert Murray
Lead DAS Administrator
DAS-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)* _____
(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)*: _____

United States of America
 Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate
 (Continuation Sheet)

Number SA01444WI-D

Date of Issuance: July 26, 2007
 Date Amended: February 28, 2008

Limitations and Conditions (continued):

Installation of STC #SA01254WI-D is a prior or concurrent requirement for all MDL Configurations.
 Installation of STC #SA01389WI is a prior or concurrent requirement for the -1 and -2 MDL Configurations.
 Aircraft equipped with the Honeywell KAP 140 autopilot are only eligible for the -5 and -6 MDL Configurations.
 Installation of the -3 and -4 MDL Configurations is permitted only on aircraft with no autopilot installed.
 Aircraft modified by this STC shall be maintained in accordance with the Instructions for Continued Airworthiness defined by the MDL.

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 the TCDS listed on Page 1 of this Certificate.
- b. The certification basis for parts changed or affected by this change since the date of application is determined to be:

Regulations at the latest amendment

Section	Amdt.	Section	Amdt.
23.29	23-21	23.1321(a)(c)(e)	23-49
23.301(a)(b)(c)	23-48	23.1322	23-43
23.303	Orig.	23.1323(a)	23-49
23.305	23-45	23.1329(a)(b)(d)(e)(f)	23-49
23.307	Orig.	23.1335	23-20
23.561(e)	23-48	23.1337(b)(1)	23-51
23.603	23-23	23.1351(a)(g)	23-49
23.605(a)	23-23	23.1367(c)(d)	Orig.
23.607(a)(b)	23-48	23.1381(a)(b)	Orig.
23.609(a)	Orig.	23.1431(a)(b)(e)	23-49
23.611	23-48	23.1525	23-45
23.613(a)(b)(2)(d)	23-45	23.1529	23-26
23.771(a)	23-14	23.1541(a)(2)(b)(c)	23-21
23.777(a)(b)	23-51	23.1543(b)(c)	23-50
23.867(a)(b)(c)	23-49	23.1545(a)(b)(1)(2)(3)(4)	23-50
23.1301	23-20	23.1549(a)(b)(c)	23-45
23.1303(a)(b)	23-49	23.1553	23-50
23.1305 (a)(1)(2)(3)(b)(2)(4)(i)(5)	23-52	23.1555(a)(b)	23-50
23.1309(a)(b)(c)(d)(e)	23-49	23.1581(a)(b)(2)(c)(d)(f)	23-50
23.1311(a)(1)(2)(3)(4)(7)(b)	23-49	23.1583(h)(m)(n)	23-50
23-139-SC	Orig.	23.1585(a)(1)(j)	23-50

Regulations at an intermediate amendment
 none

Regulations at the amendment level shown on TCDS
 none

-----END-----