

United States Of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SR02232LA

This Certificate issued to Garmin AT, Inc.
2345 Turner Road S.E.
Salem, Oregon 97302

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 27 of the Regulations.*

Original Product Type Certificate Number: * See attached Approved Model List (AML)
Make: No. SR02232LA for list of approved aircraft
Model: Models and applicable airworthiness regulations

Description of Type Design Change: Installation of Garmin Model 400W / 500W Series GPS-WAAS Navigation System in accordance with the Approved Model List (AML) SR02232LA, dated October 28, 2009, or later FAA approved revision. FAA Approved Rotorcraft Flight Manual Supplement for Garmin 400W Series GPS-WAAS Navigation System, Document No. 190-00356-23, Revision 1 "Original", dated April 22, 2009, or later FAA approved revision. FAA Approved Rotorcraft Flight Manual Supplement for Garmin 500W Series GPS-WAAS Navigation System, Document No. 190-00357-23, Revision 1 "Original", dated April 22, 2009 or later FAA approved revision.

Limitations and Conditions:

1) Integration of the Garmin Model 400W / 500W Series GPS-WAAS Navigation System with Autopilot Systems are limited to those listed in the attached FAA Approved Model List (AML) NO. SR02232LA.

Additional Limitations and Conditions continued on Page 3

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

Date of application: December 8, 2008 *Date reissued:* October 28, 2009

Date of issuance: April 28, 2009 *Date amended:* June 07, 2011



By direction of the Administrator

(Signature)
Manager, Systems & Equipment Branch, Los Angeles Aircraft Certification Office
(Title)

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

Supplemental Type Certificate

(Continuation Sheet)

Number SR02232LA

Certification Basis

Based on 14 CFR 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the applicant elected to comply with Title 14 CFR Part 27, dated February 1, 1965, including Amendments 27-1 through 27-44 for the change and all areas affected by the change. The following lists the Federal Aviation Regulations complied with through Amendment Level 27-44 outlined below:

14 CFR: Subpart D – Design and Construction

27.771(a), 27.773(a), 27.777(a)(b)

14 CFR: Subpart F – Equipment

27.1301, 27.1309, 27.1317(a), 27.1321(a)(c)(d), 27.1322, 27.1329(f), 27.1351(a), 27.1351(b)(1)(i), 27.1357(a)(b)(c), 27.1365, 27.1367, 27.1381(a)(b)

14 CFR: Subpart G – Operating Limitations and Information

27.1501(a)(b), 27.1523, 27.1525, 27.1529, 27.1541(a2)(b), 27.1555(a), 27.1581(a)(b)(d), 27.1583(e), 27.1585(a)

Appendix B: IV. (b)(5)(iii), IX. (a)

Limitations and Conditions (Continued)

- 2) This STC limits installation eligibility to only Agusta S.p.A model A 109A-II rotorcraft as listed in MDL 005-C0221-02 and -03, Revision 5, dated October 15, 2009 or later FAA approved revisions. However, this STC remains valid for all aircraft listed in the AML for installations completed prior to June 07, 2011. The STC data listed on the AML for models other than Agusta S.p.A model A 109A-II does not meet current FAA requirements for model-specific data and can not be used for installations on or after June 07, 2011.
- 3) The limitations as stated on the attached FAA Approved Model List (AML) NO. SR02232LA must be complied with in accordance with the approved installation data provided with this STC for each model.
- 4) Integration of the Garmin Model 400W / 500W Series GPS-WAAS Navigation System with other components in the aircraft is limited to those systems tested and certified under the STC. These systems are listed in appendix C of the Rotorcraft Installation Supplement, Document No. 190-00357-22, Revision C, or later revision, Appendix G of the 400W Series Installation Manuals, Document No. 190-00356-02, Revision G or later revision, and Appendix G of the 500W Series Installation Manuals Document No. 190-00357-02, Revision G or later revision.
- 5) Each rotorcraft model is limited to the maximum demonstrated Steep Approach Angle listed on the attached FAA Approved Model List (AML) NO. SR02232LA. This approval does not include an operational approval of the IFR steep approaches. Each operator incorporating this STC must obtain operational approval before conducting such operations. The operational approval must be granted to each operator and listed within the operators "Operational Specifications" in accordance with the guidelines of AFS-400.
- 6) Rotorcraft certified for IFR flight which are modified per this STC must be placarded "GPS limited to VFR use only" if the FAA Approved Model List (AML) NO. SR02232LA "Use of System" column corresponding with the Rotorcraft Make/Model indicates "VFR".
- 7) This approval should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previous approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.

8) 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.

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