



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

**Transport Airplane Directorate  
Aircraft Certification Service**

1601 Lind Avenue S.W.  
Renton, Washington 98055-4056

DEC | 2003

In Reply  
Refer To: 130S-03-598

Mr. Marvin A. Kumley  
Garmin AT, Inc.  
2345 Turner Road SE  
Salem, OR 97302

Dear Mr. Kumley:

Reissue of Supplemental Type Certificate (STC) SA01229SE for the Installation of Garmin AT CNX80 GPS WAAS Navigator with Integrated VHF Navigation and Communication Radios.

The Federal Aviation Administration (FAA) has reissued your STC SA01229SE, reissue date December 1, 2003 with the company name change as requested. Additionally we have amended the Approved Model List (AML) No. SA 01229SE with the additional model and company name change. Accordingly, we have enclosed STC and Approved Model List (AML) No. SA01229SE, dated December 1, 2003, for the installation of Garmin AT CNX80 GPS WAAS Navigator system in accordance with Garmin AT Master Data List P/N 560-0987-00, Revision E, dated October 27, 2003. Also enclosed is FAA Approved Airplane Flight Manual Supplement, P/N 560-0985-00, Revision E, dated October 28, 2003.

This STC is official FAA approval of your installation and may be used to authorize identical installations on other aircraft of the same models, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Federal Aviation Regulations (FAR) 21.47. You are requested to advise this office within 30 days after the transfer when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or reissuance action.

If you agree to permit another person to use this STC to alter the product, it is your responsibility to give the other person written evidence of that permission in the form of a "permission statement." This permission statement should contain the agreement specifying the product to be altered, the STC number, and the person who is being given the consent to use the STC.

As recipient of this approval, except as provided in Federal Aviation Regulations (FAR) Part 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in FAR Part 21.3(c). The report should be communicated initially by telephone to the Manager, Systems and Equipment Branch, ANM-130S, telephone number (425) 917-6464, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, Seattle Aircraft Certification Office,

ANM-100S, at the above address is required. FAA Form 8010-4 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details.

If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with FAR 21.303. A Parts Manufacturer Approval (PMA) may be issued under the provisions of FAR 21.303(d) when you submit a statement certifying you have established the fabrication inspection system as required by FAR 21.303(h). The identification requirements for parts produced under a PMA are in FAR 45.15. Your statement may be in letter form, with reference to the STC number, and should be addressed to the Federal Aviation Administration, Northwest Mountain Region, Attention: Manager, Seattle Manufacturing Inspection District Office, 2500 E. Valley Road, Suite C-2, Renton, Washington 98055-4056.

We are very interested in the quality of service we provide to the aviation community and the general public, and it would be helpful if you would provide some feedback in the form of your thoughts and comments regarding how the approval process went. To gather this information, we have enclosed a short survey form (*with a self-addressed, stamped envelope*) that we hope you will fill out and return. Please note that the return envelope is addressed to me personally. Therefore, you may rest assured that your comments will receive my full attention and will, of course, be held in confidence.

Sincerely,



Jeffrey E. Duven  
Acting Manager, Seattle Aircraft  
Certification Office

Enclosures

Department of Transportation—Federal Aviation Administration

# Supplemental Type Certificate

*Number* SA01229SE

*This certificate, issued to*

**Garmin AT, Inc.  
2345 Turner Road SE  
Salem, OR 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 \* of the \* Regulations .*

*Original Product—Type Certificate Number:*

\*See attached Approved Model List (AML)

*Make:*

No. SA01229SE for list of approved aircraft

*Model:*

models and applicable airworthiness regulations.

*Description of the Type Design Change:* Installation of CNX80 GPS WAAS Navigator with integrated VHF Navigation and Communication radios in accordance with Garmin AT Apollo CNX80 Supplemental Type Certificate Master Drawing List, P/N 560-0987-00, Revision E, dated October 27, 2003, or later FAA approved revision.

*Limitations and Conditions:* Compatibility of this design change with previously approved modifications must be determined by the installer. FAA approved Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual, P/N 560-0985-00, Revision E, dated October 28, 2003, or later FAA approved revision, is a required part of this modification. For Instructions for Continued Airworthiness, refer to the Apollo CNX80 Instructions for Continued Airworthiness, 560-0986-00, Revision E, or later FAA approved revision. For installation instructions, refer to the CNX80 Installation Manual, P/N 560-0982-00, Revision D, or later FAA approved revision. Installation of antennas penetrating an aircraft pressure vessel are not supported by this STC. This modification may require additional data and/or approval. This STC references interfacing equipment, and the specified interfaces are approved via this data. However, the interfaced equipment may need further approval for installation in the aircraft, and this approval is beyond the scope of this STC. A copy of this STC and AML, dated June 27, 2003 and AFMS, dated October 28, 2003, or later FAA approved revisions, must be maintained as part of the permanent records for the modified 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:* July 10, 2002  
*Date of issuance:* June 27, 2003

*Date reissued:* December 1, 2003  
*Date amended:*



*By direction of the Administrator*  
*Angelos Kidiou*

(Signature)

Acting Manager, Seattle 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.

*This certificate may be transferred in accordance with FAR 21.47.*