

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

Number SA02013CH

This Certificate issued to Avidyne Corporation
55 Old Bedford Road
Lincoln, Massachusetts 01773

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 23 of the Federal Aviation Regulations.

Original Product Type Certificate Number: See attached FAA Approved Model List (AML), Document No. AVTAS-019, Revision 00, or later FAA approved revisions for the list of approved airplane models, applicable installation data requirements, and specific limitations.
Make:
Model:

Description of Type Design Change:

Installation of Avidyne Corporation Traffic Advisory System (TAS) in accordance with the Master Document List (MDL) referenced on the attached AML, or later FAA-approved revisions.
System installation consists of:

- 1) Avidyne Model TAS6XX/TAS6XXA Processor/Receiver, any one of p/n 70-2420-8TAS600, p/n 70-2420-8TAS605, p/n 70-2420-8TAS610, p/n 70-2420-8TAS615, p/n 70-2420-8TAS620 (p/n 70-2420-8TAS620 is the same p/n as the Ryan International Corporation Model 9900BX), or p/n 700-00185-().
- 2) Transponder Coupler, p/n 70-2040.
- 3) Single blade Directional Antenna (normally the top antenna), p/n S72-1750-31L.
- 4) Twin blade Directional Antenna (normally the bottom antenna), p/n S72-1750-32L.
- 5) Optional Avidyne Model ATD150 (½ 3ATI) Display, p/n 70-2520.
- 6) Other ancillary equipment such as switches, circuit breaker, wiring, electrical connectors, antenna cables, etc.

Limitations and Conditions:

(Limitations and Conditions continued on Page 3 of 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 of the Federal Aviation Administration.

Date of application: February 21, 2003

Date reissued:

Date of issuance: August 2, 2004

Date amended: May 4, 2010; May 02, 2011, July 16, 2015



By direction of the Administrator

(Signature)

Robert G. Mann
Manager
Boston Aircraft Certification Office

(Title)

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Supplemental Type Certificate

(Continuation Sheet)

Number SA02013CH

July 16, 2015

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of the 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 of transferee*) _____

(*Address of transferee*) _____

(*Number and street*)

(*City, State, and ZIP code*)

from (*Name of grantor*)(*Print or type*) _____

(*Address of grantor*) _____

(*Number & street*)

(*City, State, and ZIP code*)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor (*In ink*): _____

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Limitations and Conditions: (continued from Page 1 of 3)

1. Operation must be in accordance with the applicable Avidyne Corporation Aircraft Flight Manual Supplement (AFMS) as stated in the Master Document List (MDL) referenced on the attached AML, or later FAA approved revisions.
The AFMS must be carried in the aircraft during all flights.
2. Maintenance must be in accordance with the applicable Instructions for Continued Airworthiness (ICA) as stated in the Master Document List (MDL) referenced on the attached AML, or later FAA accepted revisions.
The ICA must be made available to the operator at the time of installation.
3. Directional Antenna installation in accordance with Installation Manual (IM) Document No. 600-00282-000 (32-2351), Revision 01, or later FAA approved revisions is approved only for non-pressurized metallic structure certified to 14 CFR Part 23 §23.305 Amendment 23-45 or earlier and to §23.613 Amendment 23-45 or earlier.
4. Display interface installation is approved only for those compatible displays stated in Installation Manual (IM) Document No. 600-00282-000 (32-2351), Revision 01, or later FAA approved revisions.
5. Compatibility of this design with previously approved modifications must be determined by the installer.

Certification Basis:

See attached FAA Approved Model List (AML), Document No. AVTAS-019, Revision 01, or later FAA approved revisions for the Certification Basis.

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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