



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST00790DE

This certificate issued to: Peregrine
7385 S. Peoria Street Unit C4
Englewood, CO 80112

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 25* of the Federal Aviation Regulations.

* Certification basis is established in the Type Certificate Data Sheet applicable to the listed models in the FAA Approved Model List (AML).

Original Product – Type Certificate Number: *Make:* FAA Approved Model List (AML) for BendixKing CAS 67B Traffic Alert and Collision Avoidance System
Model: (TCAS) II Version 7.1, Document No. ST00790DE, Rev IR, dated August 31, 2015, or later FAA approved revision, lists the approved airplane models, applicable installation data requirements, and specific limitations.

Description of Type Design Change:

Installation of BendixKing CAS 67B Traffic Alert and Collision Avoidance System (TCAS) II Version 7.1, in accordance with *Master Drawing List*, E-AP-14-0002, Rev. IR, dated 04/23/2015, or later FAA approved revision.

Limitations and Conditions:

1. The installer must determine if this design change is compatible with previously approved modifications.
2. Reference existing *Instructions for Continued Airworthiness* document, if applicable.

(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, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: January 23, 2015

Date Reissued: December 19, 2018

Date of Issuance: August 31, 2015

Date Amended:

By Direction of the Administrator

Signature _____
Todd Dixon
Title: Manager, Denver ACO Branch
Compliance and Airworthiness Division

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification 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 Endorsement

Transfer the ownership of Supplemental Type Certificate Number:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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Limitations and Conditions (continued)

3. The airplane flight manual supplement identified below must be maintained onboard the modified aircraft:
 - a. Airplane Flight Manual Supplement to the Aircraft Make _____ Model _____ (Select approved Make and Model from Supplemental Type Certificate (STC) SA00790DE Approved Model List (AML)) Airplane Flight Manual for the Installation of CAS 67B TCAS II Version 7.1, E-AP-14- 0009, Rev. IR, approved by the FAA on August 21, 2015.
4. An approved CAS 67A TCAS II system must be existing equipment on the airplane.
5. TPU 67B V7.1 TCAS II processor must replace an existing TPU 67A V7.0 TCAS II processor with identical DO-160 qualifications and system interfaces (P/N 066-01146-2221 replacing P/N 066- 01146-1211 or P/N 066-01146-2121 replacing P/N 066-01146-1111), Reference Table 1.

Table 1: TPU 67A V7.0 & TPU 67B V7.1 Eligible Replacement Part Numbers

Original TPU 67A TCAS II V7.0 Processor Part Number	Replacement TPU 67B TCAS II V7.1 Processor Part Number	<ul style="list-style-type: none"> • Unit • Unique Features • Method of compliance
066-01146-1211	066-01146-2221	<ul style="list-style-type: none"> • TSO Compliant Article for STC Test • Extended Environmental Protection / Secondary Attitude / Heading Input • Ground Test
066-01146-1111	066-01146-2121	<ul style="list-style-type: none"> • TSO Compliant Article • Standard Environmental Protection / Single Attitude / Heading Input • Similarity (Less interfaces)

6. The TPU 67B will retain the existing equipment interfaces as the original TPU 67A. An approved MST 67A mode S Transponder must be existing equipment on the airplane.
7. The TPU 67A TCAS processor being replaced must use the V7.0 software (P/N 066-01146-1211 or P/N 066-01146-1111).
8. This installation does not include the following:
 - a. Interface changes to the TCAS II Line Replace Unit.
 - b. Installation of any other equipment
9. A copy of this certificate, its continuation sheet, and the FAA-approved airplane flight manual supplement per item number 3 above, must be maintained as part of the permanent records of the modified aircraft.
10. If the STC 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.

Note:

It has been determined that this modification is a No Acoustical Change per 14 CFR 21.93 (b).

END

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).