

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

Number ST00790DE

This certificate, issued to

Peregrine
13000 E. Control Tower Road
Suite 220, Box K-4
Englewood, CO 80112

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 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:

FAA Approved Model List (AML) for BendixKing CAS 67B
Traffic Alert and Collision Avoidance System (TCAS) II Version
7.1, Document No. ST00790DE, Rev IR, dated August 31, 2015,
or later FAA approved revision, lists the approved airplane

Make:

Model:

Description of the 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 continue on page 3 of 4)

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: January 23, 2015

Date reissued:

Date of issuance: August 31, 2015

Date amended:

By direction of the Administrator



Todd Dixon (Signature)
Northwest Mountain Regional Manager
Denver Aircraft Certification Office

(Title)

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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 67A TCAS II V7.0 Processor Part Number	TPU Replacement 67B TCAS II V7.1 Processor Part Number	TPU	• 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).

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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).

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