

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

Number SA01902CH

This certificate issued to

Nextant Aerospace
355 Richmond Road
Richmond Heights, OH 44143

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 3 of the Civil Air Regulations or Part 23 of the Federal Regulations. (See sheet 3 for complete certification basis)

Original Product--Type Certificate Number 3A20
Make Beechcraft Corporation
Model: C90, E90 and C90A

Description of Type Design Change:

Applicable to C90 and E90: Installation of two Walter a.s. Model M601E-11A engines and Avia propeller model V.510/90A/B five bladed propellers on Raytheon (Beechcraft) King Air C90 and E90 model airplanes in accordance with Premier Conversions, LLC Installation Manual, Revision A, dated January 9, 2004 and Master Drawing List, Original Issue, dated August 30, 2003, or later FAA approved revision.

Applicable to C90A: Installation of two General Electric Model H75-100 engines and miscellaneous upgrades on Beechcraft King Air C90A airplanes in accordance with Nextant Aerospace, LLC Master Data List, Doc. No. NX0250-MDL0-0000, Revision E, dated October 20, 2015, or later FAA approved revision.

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.

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. 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.

(See Continuation Sheet Page 3 for additional Limitations and Conditions.)

Date of application: September 9, 2003

Date reissued: December 05, 2013

Date of issuance: May 3, 2004

Date amended: October 26, 2015

By direction of the Administrator



Original Signed By:
Monica Nemecek

(Signature)

Timothy P. Smyth
Manager
Chicago 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.

United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA01902CH

Date of Issuance: May 03, 2004

Date Amended: October 26, 2015

Limitations and Conditions:

Applicable to C90, E90

1. STC SA4010NM, installation of lower aft fuselage strakes, is required.
2. FAA Approved Premier Conversions LLC Airplane Flight Manual Supplement modified in accordance with this STC, dated, May 3, 2004, FAA Approved May 3, 2004 or later FAA Approved revision, is required.
3. Aircraft Specifications are the same as listed on Type Certificate Data Sheet 3A20 except as listed in the FAA Approved Airplane Flight Manual Supplement for Raytheon C90, and E90 modified in accordance with this STC.
4. Limits for Walter a.s. turboprop engine model M601E-11A and Avia propeller model V.510/90A/B are as published in the FAA Approved Airplane Flight Manual Supplement for Raytheon C90 and E90.
5. The life limit for the Avia propeller model V.510, in accordance with Type Certificate Data Sheet Number P2BO, and as referenced in the Avia Maintenance Manual, is 6,000 flight hours.
6. Power lever positions below flight idle (Beta range) when aircraft is prohibited in flight and can result in severe overspeeding and/or loss of aircraft control.

Applicable to C90A

1. This configuration requires the concurrent installation of Raisbeck Engineering Propeller STC SA3593NM in accordance with Installation and Rigging Procedures C90-GEH75-100-IM, Revision A, or later FAA approved revision, Garmin G1000 Avionics Installation per STC SA01465WI-D in accordance with Master Drawing List 005-00375-30 Rev 13, dated February 12, 2015 or later FAA approved revision, and Luma Tech LED Annunciation System per AML STC SA02133SE in accordance with Master Drawing List DB1008014 Revision I, dated July 20, 2015 or later FAA approved revision.
2. FAA Approved Airplane Flight Manual, Nextant Aerospace, LLC Doc. No. NX0250-AFMS-0101 Revision A, approved October 22, 2015, or later FAA approved revision, is required on board the modified aircraft.

Certification Basis:

The certification basis for the changed Beechcraft C90 and E90, as described in this certificate is as follows:

- a. The type certification basis for the Beechcraft C90 and E90, is shown on TCDS 3A20 for parts not changed or not affected by this change.
- b. The certification basis for parts changed or affected by this change since the reference date of application, September 9, 2003, is shown in TCDS 3A20.

The certification basis for the changed Beechcraft C90A, as described in this certificate is as follows:

- a. The type certification basis for the Beechcraft C90A, is shown on TCDS 3A20 for parts not changed or not affected by this change.
- b. The certification basis for parts changed or affected by this change since the reference date of amendment application, March 6, 2014 is 14 CFR Part 23 as amended thru 23-25 except for 23.301 as amended thru 23-28.

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