

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

Number SA02036CH

This certificate issued to Nextant Aerospace, LLC
355 Richmond Road
Cleveland, 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.
(See Type Certificate Data Sheet No. 3A20 for complete certification basis)

Original Product--Type Certificate Number : A14CE
Make : Raytheon Aircraft Company
Model : 100, A100

Description of Type Design Change:

Installation of two Walter a.s. Model M601E-11A engines and AVIA propeller model V510/90A/B five bladed propellers on Raytheon (Beechcraft) King Air 100 and A100 model airplanes in accordance with Premier Conversions, LLC Installation Manual, Initial Release, dated September 8, 2004 and Master Drawing List, Initial Release, dated September 8, 2004, or later FAA approved revision.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. FAA Approved Premier Conversions LLC Airplane Flight Manual Supplement modified in accordance with this STC, dated, August 31, 2004, FAA Approved August 31, 2004 or later FAA Approved revision, is required.
3. Aircraft Specifications are the same as listed on Type Certificate Data Sheet A14CE except as listed in the FAA Approved Airplane Flight Manual Supplement for Raytheon 100 and A100 modified in accordance with this STC.
(cont...)

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 : December 29, 2003

Date reissued : November 08, 2006, December 05, 2013

Date of issuance : September 10, 2004

Date amended :



By direction of the Administrator

Original Signed By:
Timothy Smyth

(Signature)

Timothy Smyth
Manager, Propulsion & Program Management Branch
Chicago Aircraft Certification Office

(Title)

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Supplemental Type Certificate
(Continuation Sheet)

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LIMITATIONS AND CONDITIONS: (Continued)

4. Limits for Walter a.s. turboprop engine model M601E-11A and AVIA propeller model V510/90A/B are as published in the FAA Approved Airplane Flight Manual Supplement for Raytheon 100 and A100.
5. The life limit for the AVIA propeller model V510, 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.
7. Maximum weights for the Raytheon (Beech King Air) model 100 aircraft are as published in the FAA Type Certificate Data Sheet Number A14CE: Ramp 10,688 lb.; Takeoff 10,600 lb.; Landing 10,600lb.
8. Maximum weights for the Raytheon (Beech King Air) model A100 aircraft are as published in the FAA Type Certificate Data Sheet Number A14CE: Ramp 11,568 lb.; Takeoff 11,500 lb.; Landing 11,210 lb.; Maximum zero fuel 9,600 lb.
9. 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.

...End...