

(ADS-B)



US Department of Transportation Federal Aviation Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

OMB No. 2120-0020 Electronic Tracking Number Exp: 5/31/2018

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft: Nationality and Registration Mark USA/N148GB, Serial No. RK-185, Make RAYTHEON AIRCRAFT COMPANY, Model 400A, Series

2. Owner: Name (As shown on registration certificate) FLIGHT INTERNATIONAL AVIATION LLC, Address (As shown on registration certificate) 1 LEAR DR, City NEWPORT NEWS, State VIRGINIA, Zip 23602-4413, Country USA

3. For FAA Use Only

Table with 5 columns: 4. Type (Repair, Alteration), 5. Unit Identification (Unit, Make, Model, Serial No.). Row 1: AIRFRAME, RAYTHEON AIRCRAFT COMPANY, (As described in Item 1 above), RK-185.

6. Conformity Statement

A. Agency's Name and Address: Constant Aviation LLC, 355 Richmond Road, Cleveland, OH, 44143, USA. B. Kind of Agency: U.S. Certificated Mechanic, Manufacturer, Foreign Certificated Mechanic, Certificated Repair Station (checked), Certificated Maintenance Organization. C. Certificate No. CRS# WC7R346J

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B: [ ] Signature/Date of Authorized Individual: John D. Price, Jr. 2/23/2019

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] Approved [ ] Rejected

BY: [ ] FAA Fit. Standards Inspector, [ ] Manufacturer, [ ] Maintenance Organization, [ ] Persons Approved by Canadian Department of Transport, [ ] FAA Designee, [X] Repair Station, [ ] Inspection Authorization, [ ] Other (Specify)

Certificate or Designation No. CRS# WC7R346J, Signature/Date of Authorized Individual: Anton J. Koprivnik 2/23/2019

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

USA/N148GB

2/23/2019

Nationality and Registration Mark

Date

**CMD Flight Solutions LLC ADS-B out system STC ST03424CH**

Complied with installation and certification of a Automatic Dependent Surveillance – Broadcast (ADS-B) Out System with Rockwell Collins TDR-94/-94D Transponders in accordance with Dan Buzz & Associates Master Data List, Document No. DB1409001, Revision T, dated October 15, 2018, or later FAA approved revision. Also complied with Nextant Aerospace Minor EO# NT-EO-0219-13\_IR.

Parts Removed:

Transponders (2) PN# 622-9210-004

Parts Installed:

Transponders (2) PN# 622-9210-502  
Digital Discrete Adapter PN# 08090021-6

ELA:

Dan Buzz & Associates LLC, Electrical Load Analysis Supplement, Document No. DB1409005, Rev. A dated 12-21-2016 was provided to the owner.

ICA:

CMD Flight Solutions LLC, Instructions For Continued Airworthiness, Document No. DB1409003, Rev. D dated 08-13-2018 was provided to the owner. (ADS-B STC ST03424CH)

AFMS:

Dan Buzz & Associates LLC, FAA Approved Airplane Flight Manual Supplement, Document No. DB1409004, Rev. E dated 11-20-2018 or later FAA approved revision, is inserted into the current AFM on the aircraft. (ADS-B STC ST03424CH).

W&B:

Weight and balance negligible.

END

Additional Sheets Are Attached

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

FOR USE ON

*Number* ST03424CH **Beechcraft Corporation,**

*This certificate issued to*

CMD Flight Solutions LLC  
9199 Cotters Ridge  
Richland, MI 49083

**400A,**

**serial number RK-185**

**ONLY**

*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.*

*Original Product - Type Certificate Number* \*

*Make* \*

*Model* \*

\* See attached Federal Aviation Administration (FAA) Approved Model List (AML) number ST03424CH for approved aircraft models and applicable airworthiness regulations.

*Description of Type Design Change:*

Certification of Automatic Dependent Surveillance - Broadcast (ADS-B) Out System with Rockwell Collins TDR-94/-94D Transponders in accordance with Dan Buzz & Associates Master Data List, Document No. DB1409001, Revision F, dated July 20, 2015, or later FAA approved revision.

*Limitations and Conditions:*

- 1) The installer must determine whether this design change is compatible with previously approved modifications.
- 2) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.
- 3) The existing Rockwell Collins TDR-94/-94D Transponder installation must be previously FAA Approved.
- 4) FAA Approved Airplane Flight Manual Supplement (AFMS) as listed on the AML number ST03424CH, or later FAA approved revision, is required on board the modified aircraft.
- 5) Additional Limitations and Conditions are listed on AML number ST03424CH.

*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:* September 12, 2014

*Date reissued:* August 28, 2015

*Date of issuance:* February 23, 2015

*Date amended:*



*By direction of the Administrator*  
  
(Signature)

Steven L. Lardinois  
Manager, Systems and Flight Test Branch  
Chicago Aircraft Certification Office

(Title)



CMD Flight Solutions, LLC  
9199 Cotters Ridge Rd  
Richland, MI 49083

[www.CMDFlightSolutions.com](http://www.CMDFlightSolutions.com)

406.570.9699

02/18/19

**Nextant Aerospace, LLC**  
18601 Cleveland Parkway  
Cleveland, OH 44135

RE: One time STC ST03424CH Letter of Authorization

**CMD Flight Solutions, LLC**, sole owner of FAA Supplemental Type Certificate (STC) ST03424CH, authorizes **Nextant Aerospace, LLC**, one time use of the STC to upgrade the Rockwell Collins TDR-94/94D **part numbers 622-9210-502 or 622-9352-502 ONLY** Transponders with Automatic Dependent Surveillance-Broadcast (ADS-B) Out on **Beechcraft Corporation, 400A, serial number RK-185**.

This authorization letter shall become part of the aircraft permanent records and provided to the aircraft owner upon delivery.

Regards,

A handwritten signature in cursive script that reads "Daniel Buzz".

Daniel Buzz

Owner  
**CMD Flight Solutions, LLC**