

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION STANDARD AIRWORTHINESS CERTIFICATE			
1 NATIONALITY AND REGISTRATION MARKS N429XX	2 MANUFACTURER AND MODEL Bell Helicopter Textron Canada Model 429	3 AIRCRAFT SERIAL NUMBER 57181	4 CATEGORY Normal
5 AUTHORITY AND BASIS FOR ISSUANCE This airworthiness certificate is issued pursuant to 49 U.S.C. § 44704 and certifies that, as of the date of issuance, this aircraft has been inspected and found to conform to its type certificate and be in a condition for safe operation. This aircraft meets the requirements of the applicable airworthiness standards in Annex 8 to the Convention on International Civil Aviation, except as follows: None			
6 TERMS AND CONDITIONS Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the FAA, this airworthiness certificate is effective as long as maintenance, preventative maintenance, and alterations are performed per the applicable Federal Aviation Regulations and the aircraft is registered in the United States.			
DATE OF ISSUANCE R 02/21/2014	FAA REPRESENTATIVE LAURA L DELEWSKI	Digitally signed by LAURA L DELEWSKI Date: 2026.04.14 13:18:48 -04'00'	DESIGNATION NUMBER AFG-AGC-FSDO-03
Any alteration, misuse, or reproduction of this certificate for a fraudulent purpose may be punishable by certificate revocation, fine, and / or imprisonment. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT PER THE APPLICABLE FEDERAL AVIATION REGULATIONS.			
FAA Form 8100-2 (11-2016) Previous Edition Dated 04-11 May be Used Until Depleted			



Date: **April 14, 2026**

Dear Inspector Delewski:

I am requesting a replacement Standard Airworthiness Certificate for aircraft:

Registration Number: **N508LB**

Make Model Series: **Bell Helicopter BHT-429**

Serial Number: **57181**

The original is:

- ☐ lost.
- ☐ torn and / or worn.
- ☐ missing.
- ☐ FAA signature is faded / unreadable.
- ☒ Registration Number has changed to: **N429XX**
(See attached FAA Form 8050-64)

Aircraft Owner / Authorized Agent Printed Name: **Daniel J. Mansfield**

Aircraft Owner's / Authorized Agent Title: **Authorized Agent**

Aircraft Owner / Authorized Agent Signature: 



US Department
of Transportation
Federal Aviation
Administration

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

OMB No. 2120-0020
Exp: 07/31/2026

Electronic Tracking Number

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 N508LB	Serial No. 57181	
	Make Bell Helicopter Textron	Model 429	Series
2. Owner	Name (As shown on registration certificate) BELVEDERE AVIATION LLC		Address (As shown on registration certificate)
			Address 11 Times Square 40th Floor
			City New York State NY
			Zip 10036 Country USA

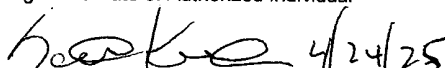
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	<u>Bell Helicopter Textron</u>	<u>(As described in Item 1 above)</u>	<u>57181</u>
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

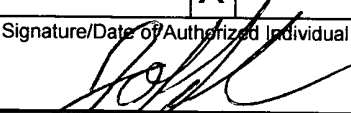
A. Agency's Name and Address		B. Kind of Agency	
Name Scott Kane		☒ U. S. Certificated Mechanic	Manufacturer
Address 289 William Street		☐ Foreign Certificated Mechanic	C. Certificate No.
City Bellville State NJ		☐ Certificated Repair Station	A&P 3266425
Zip 07109 Country USA		☐ Certificated Maintenance Organization	

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  4/24/25
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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 ☒ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	☒ Inspection Authorization	Other (Specify)
Certificate or Designation No. 3690047 IA		Signature/Date of Authorized Individual  4/24/25		

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.)

N508LB	24 Apr 2025
Nationality and Registration Mark	Date

Alteration to Bell Helicopter 429, N508LB, SN: 57181, Actt: 1,608.0, Lndgs: 5,200

Installed the Heico Barrier Net kit, PN: 429-0025-901DEC, per STC SR04213AT
utilizing the Installation Instructions document No. TI DEC13055 r-0, dated Dec 5, 2014

Instructions for Continued Airworthiness document No. TI HAC14-002 r-0, dated Mar 4, 2015 was
provided to the aircraft owner/operator and has been incorporated into the inspection program for a
12 month inspection for condition and hardware security.

The RFM W&B report has been revised for the 8 lbs at Sta 286.

The equipment list was revised, and a copy has been placed with the aircraft records.

☐ Additional Sheets Are Attached



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SR04213AT

This certificate issued to:

Bell Textron, Inc.
441 Industrial Park Road
Piney Flats, TN 37686

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 27 of the Federal Aviation Regulations.

Original Product - Type Certificate Number: R00003RD

Make: Bell Helicopter Textron Canada Limited
Model: Bell 429

Description of Type Design Change:

Installation of a barrier net on the Bell 429 rotorcraft in accordance with Drawing 429-002-901DEC, Revision F, dated June 8, 2015, or later FAA-approved revisions.

Limitations and Conditions:

1. HEICO Instructions for Continued Airworthiness (ICA), Document Number HAC14-002, Revision 0, dated March 4, 2015, or later FAA accepted revisions, shall be made available to the operator at the time of installation

(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: May 16, 2014

Date Reissued: February 1, 2016; November 23, 2021

Date of Issuance: June 12, 2015

Date Amended:

By direction of the Administrator

Signature _____
Nicholas Faust
Manager, Boston 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. 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).



FAA Aircraft Registration Branch

P.O. Box 25504

Oklahoma City, OK 73125



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

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 N508LB	Serial No. 57181	
	Make BELL	Model 429	Series
2. Owner	Name (As shown on registration certificate) BELVEDERE AVIATION LLC	Address (As shown on registration certificate) 1251 AVENUE OF THE AMERICAS	
		City New York	State NY
		Zip 10020-1104	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME		(As described in Item 1 above)	
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Sterling Helicopter		☐ U. S. Certificated Mechanic	☐ Manufacturer
Address 1226 River Road		☐ Foreign Certificated Mechanic	C. Certificate No.
City Croydon	State PA	☒ Certificated Repair Station	PN1R406K
Zip 19021	Country USA	☐ Certificated Maintenance Organization	

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 Patrick J. Lally July 8, 2016
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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 ☒ Approved ☐ Rejected

BY	FAA Fil. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee ☒	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. PN1R406K	Signature/Date of Authorized Individual Patrick J. Lally July 8, 2016
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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 N508LB

07/08/2016

Nationality and Registration Mark

Date

Note: This FAA form 337 is distributed to revise FAA form 337 dated 6/29/16, to include other Continued Airworthiness requirements

Fabricated firewall removable panel (.016" 310 1/2 hd Cres) to match cracked firewall removable panel P/N 429-069-504-105 (.012" titanium), due to the unavailability from OEM, In accordance with 8110-3 approved doc# 57181-FIREWALL-PNL-FAB.

Basis of approval for this Structural installation is attached FAA Form 8110-3, by Susan J. Dess DER# DERT-955044-NE, dated 6/29/16.

There is no change to the weight & balance

The Continued airworthiness inspection is embodied in BHT-429-MM-1, Par. 5-20, 800 hr. / 12 mo. inspection, Rev 25 or later and BHT ASB 429-16-29, Rev. A, Pt I, 25 hr. inspection, and any future Bell documentation that addresses inspection and / or modification of the removable panel P/N 429-069-504-105 .

-----END-----

☐ Additional Sheets Are Attached

 US Department of Transportation Federal Aviation Administration		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
		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 N508LB	Serial No. 57181	
	Make BELL	Model 429	Series
2. Owner	Name (As shown on registration certificate) BELVEDERE AVIATION LLC		Address (As shown on registration certificate) Address 1251 AVENUE OF THE AMERICAS
			City New York State NY Zip 10020-1104 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type _____ Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency									
Name <u>Sterling Helicopter</u> Address <u>1226 River Road</u> City <u>Croydon</u> State <u>PA</u> Zip <u>19021</u> Country <u>USA</u>		<table style="width: 100%;"> <tr> <td>☐ U. S. Certificated Mechanic</td> <td>☐ Manufacturer</td> </tr> <tr> <td>☐ Foreign Certificated Mechanic</td> <td>C. Certificate No.</td> </tr> <tr> <td>☒ Certificated Repair Station</td> <td>PN1R406K</td> </tr> <tr> <td>☐ Certificated Maintenance Organization</td> <td></td> </tr> </table>		☐ U. S. Certificated Mechanic	☐ Manufacturer	☐ Foreign Certificated Mechanic	C. Certificate No.	☒ Certificated Repair Station	PN1R406K	☐ Certificated Maintenance Organization	
☐ U. S. Certificated Mechanic	☐ Manufacturer										
☐ Foreign Certificated Mechanic	C. Certificate No.										
☒ Certificated Repair Station	PN1R406K										
☐ Certificated Maintenance Organization											

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 June 29, 2016 Patrick J. Lally
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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 ☒ Approved ☐ Rejected

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

Certificate or Designation No. PN1R406K	Signature/Date of Authorized Individual June 29, 2016 Patrick J. Lally
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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 N508LB

06/29/2016

Nationality and Registration Mark

Date

Fabricated firewall removable panel (.016" 310 1/2 hd Cres) to match cracked firewall removable panel P/N 429-069-504-105 (.012" titanium), due to the unavailability from OEM, in accordance with 8110-3 approved doc# 57181-FIREWALL-PNL-FAB.

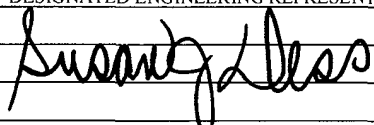
Basis of approval for this Structural installation is attached FAA Form 8110-3, by Susan J. Dess DER# DERT-955044-NE, dated 6/29/16.

There is no change to the weight & balance

The Continued airworthiness inspection is embodied in BHT-429-MM-1, Par. 5-20, 800 hr. / 12 mo. inspection, Rev 25 or later.

-----END-----

☒ Additional Sheets Are Attached

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			June 29, 2016
MAKE Bell Helicopter Textron CA	MODEL NO. R00003RD (429)	TYPE (Airplane, Radio, Helicopter, etc.) Helicopter	NAME OF APPLICANT Sterling Helicopter
LIST OF DATA			
IDENTIFICATION	TITLE		
Sterling Helicopter Doc# 57181-FIREWALL- PNL-FAB Original Issue date 6/24/16	Instructions for fabrication of firewall removable panel P/N 429-069-504-105, for Bell 429 S/N 57181, due to crack and the unavailability from OEM Notes: 1) The structural aspects only of the above listed data are approved herein. This approval is only for the engineering data. It indicates the data listed above demonstrates compliance only with the regulations specified by paragraph and subparagraph listed below as "Applicable Requirements". 2) This form constitutes FAA approval of the structural engineering data necessary for substantiation of compliance.		
PURPOSE OF DATA In support of major repair/alteration data for Aircraft Serial Number 57181, Aircraft Registry N508LB			
APPLICABLE REQUIREMENTS (List specific sections) F.A.R. 27.301, 27.303, 27.305(a), 27.307(a) Amdt 27-26, 27.561 Amdt 27-24, 27.601, 27.603(b) Amdt 27-16, 27.605(a) Amdt 27-16, 27.613(a) Amdt 27-26, 27.619, 27.625 Amdt 27-35			
CERTIFICATION – Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above an on attached sheets number none have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
I (we) therefore ☐ Recommend approval of these data ☒ Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)		DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Susan J. Dess 		DETR-955044-NE	Structures



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

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 N508LB	Serial No. 57181	
	Make BELL	Model 429	Series
2. Owner	Name (As shown on registration certificate) BELVEDERE AVIATION LLC	Address (As shown on registration certificate) 1251 AVENUE OF THE AMERICAS	
		City New York	State NY
		Zip 10020-1104	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☐	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Sterling Helicopter		☐ U. S. Certificated Mechanic	☐ Manufacturer
Address 1226 River Road		☐ Foreign Certificated Mechanic	C. Certificate No.
City Croydon	State PA	☒ Certificated Repair Station	PN1R406K
Zip 19021	Country	☐ Certificated Maintenance Organization	

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 Patrick J. Lally June 24, 2016
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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 ☒ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	☒ Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. PN1R406K	Signature/Date of Authorized Individual Patrick J. Lally June 24, 2016
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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 N508LB

06/24/2016

Nationality and Registration Mark

Date

Installed the following Honeywell Sky Connect Tracking System:

- Sky Connect Transceiver P/N 1616-050-01A, Wt. = 3.0 lbs. and Mount tray P/N 1616-105-01 Wt. = 0.5 lbs., on belly access panel# 200CC, at Sta. 135.6" x BL +2.5" x WL 8.5".
- EMS Aviation Antenna P/N 1616-880-13 Wt.= 0.5 lbs., installed on nose center fixed panel at Sta. 103" x BL +4.5"
- Vivisun Annunciator P/N LED-50-1J-BBB-SBGEX, Wt.= Neg. and 9 pin Sub-D connector P/N M24308/2-1F Wt.= Neg., installed on center console Dzus panel at Sta. 132" x BL 0"

- 1) Electrical modification was completed in accordance with DER approved Wire Diagram# 57181-SKYCONN.
- 2) Wiring was identified in accordance with AC 43.13-1B, Chp. 11, Section 16.
- 3) Where applicable, wire routing, tying and clamping were performed in accordance with AC 43.13-1B, Chp. 11, Section 11 & 12.
- 4) An Electrical Load Analysis was completed using the aircraft onboard ammeter in accordance with FAA AC 27.1351.
- 5) An EMI (Electromagnetic Interference) Test was performed, and no other equipment was observed to be affected by the Sky Connect Tracking System operation. The test was performed under Doc# 57181-SkyConnect-EMI, Dated 6/24/16, which follows FAR 27.1309(b) & (c), 27.1351(b)(1)(i), AC 43.13-1B, Chp.11, par. 107 & AC 43.13-2B, Chp.2, par. 209 guidelines
- 6) The Structural installation was completed in accordance with DER approved Doc# 57181-SkyConnect-Install.

Basis of approval for this Electrical installation is attached FAA Form 8110-3, by David J. Richards DER# DERT-955091-NE, dated 3/23/16.

Basis of approval for this Structural installation is attached FAA Form 8110-3, by Susan J. Dess DER# DERT-955044-NE, dated 6/16/16.

Weight & Balance and Equipment list have been updated to reflect this Installation.

Continued Airworthiness Inspection, Doc# 57181-SkyConnect-ICA, dated 6/17/16 has been attached to this form and placed with aircraft permanent records:

-----END-----

☒ Additional Sheets Are Attached

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS, Honeywell (EMS Aviation) Sky Connect System.

1. Introduction

Aircraft that has been altered: N508LB, Bell 429, S/N 57181.

Content, Scope,

Purpose and Arrangement:

- This document identifies the Instructions for Continued Airworthiness for the modification of the above aircraft by installation of the Honeywell (EMS Aviation) Sky Connect System.

Applicability:

- Applies to aircraft altered by installation of the Honeywell (EMS Aviation) Sky Connect System.
- Definitions/Abbreviations: None, N/A.

Precautions:

- None, N/A.

Units of Measurement:

- None, N/A.

Referenced Publications:

- WD 57181-SKYCONN (Orig. dated 3/22/16).
- Doc# 57181-SkyConnect-Install (Orig. dated 6/15/16).
- EMS Aviation, Inc., Sky Connect Aviation Series Installation Manual, Doc# 1616-964-12 (Date: 7/27/2011 Rev. 2.1 or later).

Distribution:

- This document should be a permanent aircraft record.

2. Description of the Alteration: Installation of Honeywell (EMS Aviation) Sky Connect System.

3. Control, Operation Information: Referenced Publications

4. Servicing Information: N/A

5. Maintenance Instructions

At 100 hr. or 12 month inspection is required to determine continued security and condition of the Sky Connect Transceiver / Mount Tray, Sky Connect Antenna, Sky Connect Annunciator, Sky Connect Sub-D Maintenance connector, and associated wiring, as described in referenced Publications.

6. Troubleshooting Information

Refer to the referenced publications.

7. Removal and Replacement Information

Refer to the referenced publications. If any component is removed and reinstalled, a functional check of the equipment should be conducted.

8. Diagrams: Refer to WD 57181-SKYCONN.

9. Special Inspection Requirements: N/A

10. Application of Protective Treatments: N/A

11. Data: Relative to Structural Fasteners: Referenced Publications.

12. Special Tools: N/A

13. This Section is for Commuter Category Aircraft Only: N/A

14. Overhaul Period: No additional overhaul time limitations.

15. Airworthiness Limitation Section: N/A

16. Revision: To revise this ICA, a letter must be submitted to the local FSDO with a copy of the revised FAA Form 337, and revised ICA.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE June 16, 2016
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			
MAKE Bell Helicopter Textron CA	MODEL NO. R00003RD (429)	TYPE (Airplane, Radio, Helicopter, etc.) Helicopter	NAME OF APPLICANT Sterling Helicopter
LIST OF DATA			
IDENTIFICATION	TITLE		
Sterling Helicopter Doc# 57181-SkyConnect- Install Original Issue date 6/15/16	Instructions for the Installation of the Honeywell Sky Connect Tracking System, on Bell 429 S/N 57181. Notes: 1) The structural aspects only of the above listed data are approved herein. This approval is only for the engineering data. It indicates the data listed above demonstrates compliance only with the regulations specified by paragraph and subparagraph listed below as "Applicable Requirements". 2) This form constitutes FAA approval of the structural engineering data necessary for substantiation of compliance.		
PURPOSE OF DATA In support of major alteration data for Aircraft Serial Number 57181			
APPLICABLE REQUIREMENTS (List specific sections) F.A.R. 27.301, 27.303, 27.305(a), 27.307(a) Amdt 27-26, 27.561 Amdt 27-24, 27.601, 27.603(b) Amdt 27-16, 27.605(a) Amdt 27-16, 27.613(a) Amdt 27-26, 27.619, 27.625 Amdt 27-35			
CERTIFICATION – Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above an on attached sheets number none have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
I (we) therefore <input style="width: 30px; height: 20px; border: 1px solid black; margin: 0 5px;" type="checkbox"/> <input checked="" style="width: 30px; height: 20px; border: 1px solid black; margin: 0 5px;" type="checkbox"/> Recommend approval of these data Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)		DESIGNATION NUMBER(S)	CLASSIFICATION(S)
Susan J. Dess		DERT-955044-NE	Structures

 US Department of Transportation Federal Aviation Administration		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		OMB No. 2120-0020 Exp: 5/31/2018		Electronic Tracking Number	
		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 N508LB		Serial No. 57181	
	Make BELL HELICOPTER TEXTRON CANADA		Model 429 Series	

2. Owner	Name (As shown on registration certificate) BELVEDERE AVIATION LLC		Address (As shown on registration certificate) Address 1251 AVENUE OF THE AMERICAS	
			City NEW YORK State NEW YORK	
			Zip 10020-1104 Country USA	

3. For FAA Use Only

"The Technical data identified herein complies with the Applicable airworthiness requirements and is approved For the above described aircraft, subject to conformity Inspection by a person authorized in 14 CFR §43.7."

Approving Inspector - AEA-FSDO-25

 Date: 7/12/2016

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	BELL HELICOPTER TEXTRON CANADA	(As described in Item 1 above)	57181
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name <u>Cabin Crafters, Inc.</u> Address <u>50 Louis Street</u> City <u>South Hackensack</u> State <u>NJ</u> Zip <u>07606</u> Country <u>USA</u>		☐ U. S. Certificated Mechanic ☐ Manufacturer ☐ Foreign Certificated Mechanic ☒ C. Certificate No. ☒ Certificated Repair Station C7QR807N ☐ Certificated Maintenance Organization	

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 3/1/14
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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 ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	☒ Repair Station	Inspection Authorization	

Certificate or Designation No. C7QR807N	Signature/Date of Authorized Individual 3/1/16
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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.)

N508LB

Nationality and Registration Mark

Date

Removed headliner IAW Bell 429 MM chapter 25. Removed and replaced 6 cabin light assemblies in headliner IAW Bell MM chapter 96. Reinstalled headliner IAW Bell MM chapter 25. Checked lights for proper operation.

Lighting manufacturer (removed and installed lights) is Pacific Precision Products.

P/N removed: L33-GZS-S

V = +28VDC

If = 28.5mA

I_{max} = 44mA

P/N installed: L33-GZS-S1

V = +28VDC

If = 26mA

I_{max} = 40mA

New lighting assemblies reduce electrical load by a negligible amount and original OEM load analysis, report number EA-14078 indicates significant additional capacity available.

Cabin lighting system is not connected to any emergency lighting system.

Weight change is zero.

Updated aircraft equipment list as needed.

There are no additional inspection and/or maintenance requirements and the manufacturer's maintenance and inspection criteria should continue to be used.

----- END -----

☐ Additional Sheets Are Attached



US Department
of Transportation

Federal Aviation
Administration

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

Form Approved

OMB No. 2120-0020

For FAA Use Only

Office Identification CE-57181-AV2

CE-19 AKS

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of Federal Aviation Act of 1958).

1. Aircraft	Make BELL HELICOPTER TEXTRON	Model 429
	Serial No. 57181	Nationality and Registration Mark N508LB
2. Owner	Name (As shown on registration certificate) BELL HELICOPTER TEXTRON INC.	Address (As shown on registration certificate) 13901 AVIATOR WAY FORT WORTH, TX 76177-4319

3. For FAA Use Only

The data identified herein complies with applicable airworthiness requirements and is approved for the above described aircraft subject to a conformity inspection by a person authorized in FAR 43, section 43.7

Signature ACE/ESDO-19

MAY 14 2014
Date

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address BELL HELICOPTER TEXTRON INC. P O BOX 3689 BRISTOL TN 37625	B. Kind of Agency ☐ U.S. Certificated Mechanic ☐ Foreign Certificated Mechanic ☒ Certified Repair Station ☐ Manufacturer	C. Certificate No. FKFR930D LIMITED AIRFRAME RADIO CLASS I & II
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date 7-25-14	Signature of Authorized Individual
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 7-25-14	Certificate or Designation No. FKFR930D	Signature of Authorized Individual
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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.)

BELL 429

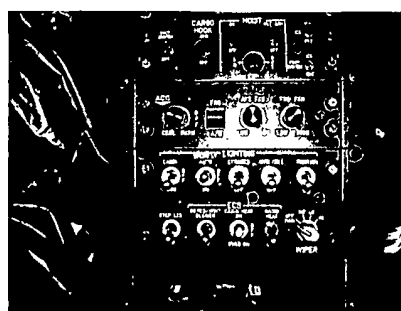
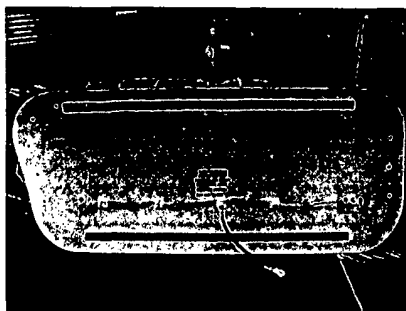
S/N 57181

N508LB

PAGE 1 of 2

Installed 8 Whelen Step Illumination lights P/N 0SU0EDCR, 2 ea. on the exterior surface of access panels (300AR, 300BR, 300AL, & 300BL) below the cabin doors (reference Whelen Installation form no. 14095A (070909)). The lights are located approximately 4" from the forward and aft edge, and approximately 4" from the lower edge of each panel. Each lamp is mounted using a 2.5" X 2" internal backing plate fabricated from 2024T3 .020 on the inner surface of the access panel, and attached with MS34026-229 screws, NAS1149DN616J washers, and MS21042L06 nuts in accordance with AC 43.13-2B chapter 4, ¶ 407a, 7-16b, 7-64e, and 7-86. A 3/16" hole was drilled for each light for the wires to pass through the panel and an MS35489-62 grommet installed in the hole. The backing plate, grommet hole, and mounting holes were sealed with PR870B2 sealant (reference Bell Process Spec.-4407).

Wiring on each panel is routed from the lights to a disconnect for ease of panel removal, this wiring is secured using ty-wrap anchors (P/N ABMM-C) and ty-wraps (P/N T50R2M4). The aircraft wiring is routed with the existing bundles in the right and left hand sides of the fuselage below the cabin floor, and up to the aft portion of the pedestal avionics console where the ON/OFF switch (P/N 112TW1-3) labeled "STEP LTS / OFF" is located in the existing BHT installed lighting control panel. Power is supplied to the Step Lights from a 1 ampere circuit breaker labeled "STEP LTS" on the 28 VDC NON-ESS bus located in the circuit breaker panel located on the forward left side of the pedestal in accordance with BHPF Drawing # AV-14-CB1008. Wire harnesses were installed referencing Bell Helicopter Piney Flats drawing AV-14-7034 which identifies wire specifications and connector part numbers. A placard was installed in the pilot's view which reads "Step Lights for ground use only". The Step Illumination Lights are not certified for NVG operations.



All work was accomplished referencing: Bell Helicopter Electrical Standard Practices Manual, BHT-ELEC-SPM, Rev. 1, dated 27 May, 2011; Bell Helicopter Textron Standard Practices Manual, BHT-ALL-SPM, Rev. 4, dated 17 June 2011; Bell Helicopter Textron Maintenance Manual 429-Series-MM-03, Rev. 4; AC 43.13-2B, Chapter 4, ¶ 402f. The equipment installed performs its intended functions and is compatible with previous installations in accordance with FAR 29.1301. The malfunction or failure of the equipment installed would have no adverse effects on other aircraft systems in accordance with FAR 29.1309(b).

BHPF wiring diagram AV-14-7034 was developed from each piece of equipment manufacturer's installation instructions /diagrams along with BHT's aircraft wiring diagrams and were provided to the aircraft owner/operator.

The above installed equipment is excluded from real time EMI testing in relation to the FADEC in accordance with FAA ASW-2001-01. The installed equipment has undergone a cross-matrix operational check for electromagnetic compatibility by operating all equipment under consideration using form: EA10149 (included in the aircraft records), and has been found to present no interference hazard, thus meeting requirements of aircraft Type Certificate R0003RD, Note 7.

It has been determined that the electrical load does not exceed 80% of the rated generator capacity. The aircraft was weighed and a new weight and balance was computed. The aircraft flight manual equipment list was revised. Provided Instructions for Continued Airworthiness (ICA), as part of this FAA Form 337, as addressed by FSIMS Flight Standards Information Management System 8900.1, Volume 4, Chapter 9, Section 1 and using the checklist in Chapter 9, Section 1 and Figure 4-66. The ICA contained in this FAA Form 337 is now part of the aircraft's inspection/maintenance requirements. Log book entry was made. Reference: W/O C21309EA.

----END----

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

1. **INTRODUCTION:** The Bell Model 429 is a FAR Part 27 certified helicopter. The above listed modification is for the installation of optional equipment that has been installed in accordance with this field approved FAA Form 337.
2. **DESCRIPTION:** The above listed work was performed to provide step entrance lighting.
3. **CONTROL, OPERATION INFORMATION:** The Step Lights should be operated ONLY when the aircraft is on the ground. The Step Light switch is located in the lighting panel in the aft part of the radio console. Placing the switch in the forward position turns the lights ON. Placing the switch in the OFF (aft) position turns the lights OFF.
4. **SERVICING INFORMATION:** N/A.

Instructions for Continued Airworthiness continued on page 2 of this Form 337.

☒ Additional Sheets are Attached

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.)

BELL 429

S/N 57181

N508LB

PAGE 2 of 2

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

continued

5. MAINTENANCE INSTRUCTIONS: This modification shall be inspected in accordance with:

- (a) The scope and detail contained in FAR 43 Appendix D, as applicable to the particular line item(s).
- (b) Bell Helicopter Textron Model 429 Maintenance Manual BHT-429-MM-01, current revision, Chapter 5 – Inspections; (Note: Aircraft maintenance manuals are available to each aircraft owner from Bell Helicopter Textron).
- (c) Manufacturer's publications, Service Bulletins, and/or Service Letters. (Note: Many manufacturers' publications are proprietary to the manufacturer and its approved facilities). Inspections, maintenance and/or repairs are limited to persons authorized by FAR 43, ¶ 43.3, with the approved current publications, and training.
- (d) Ensure that the "Step Lights for ground use only" placard is intact and in pilot's view.

6. TROUBLESHOOTING: If a failure or malfunction is noted, the wiring in the aircraft may be checked for proper connections per Bell Helicopter Piney Flats drawing # AV-14-7034. If no wiring problems are found, refer to item 5.

7. REMOVAL AND REPLACEMENT: Requires no special instructions due to basic installations using accepted methods, techniques, and practices, and must be performed by persons authorized by FAR 43, paragraph 43.3, refer to item 5.

8. DIAGRAMS: N/A

9. SPECIAL INSPECTIONS REQUIREMENTS: N/A

10. APPLICATION OF PROTECTIVE TREATMENTS: N/A

11. DATA: Reference: Advisory Circular AC 43.13-1B, Change 1, Chapter 7.

12. LIST OF SPECIAL TOOLS: N/A

13. COMMUTER CATEGORY AIRCRAFT: N/A

14. RECOMMENDED OVERHAUL PERIODS: No additional overhaul time limitations.

15. AIRWORTHINESS LIMITATION SECTION: There are no additional Airworthiness Limitations as defined in 14 CFR § 27, Appendix A, A27.4 that result from this alteration. The Airworthiness Limitations Section is FAA approved and specifies inspections and other maintenance required under §§ 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

16. REVISIONS: Any revisions or alterations of this ICA must be accepted by the FAA, via FAA Form 337 Field Approval Process.

--- END ---

☐ Additional Sheets are Attached



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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 N508LB	Serial No. 57181	
	Make Bell Helicopters Textron Canada	Model 429	Series
2. Owner	Name (As shown on registration certificate) BELVEDERE AVIATION LLC	Address (As shown on registration certificate) Address 1251 Avenue of the Americas	
		City New York	State NY
		Zip 10020-1104	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME		(As described in Item 1 above)	
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Air Concepts International, Inc.		☐ U. S. Certificated Mechanic	☐ Manufacturer
Address 14 Caesar Place		☐ Foreign Certificated Mechanic	C. Certificate No.
City Moonachie State NJ		☒ Certificated Repair Station	
Zip 07074 Country USA		☐ Certificated Maintenance Organization	I41R301Y Limited Airframe

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 Matthew Szilagyi 09/26/14
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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 ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee ☒	Repair Station	Inspection Authorization	

Certificate or Designation No. I41R301Y Limited Airframe	Signature/Date of Authorized Individual Thomas Collins 09/26/14
--	---

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.)

N508LB

Nationality and Registration Mark

Sept 26, 2014

Date

1. Fabricated Center Cabinet Parts (Ref ACI Dwg #57181-319-01 Rev IR dated 07/30/14) (2 Sheets)
2. Assembled Center Cabinet Sub-Assembly (Ref ACI Dwg #57181-319 Rev IR dated 07/30/14)
3. Assembled Center Cabinet Assembly (Ref ACI Dwg #57181-319-00 Rev IR dated 07/30/14)
4. Installed Center Cabinet Assembly (Ref ACI Dwg #57181-00-319 Rev IR dated 07/30/14)
(Ref William Dickerson DERT-810096-NE Structures 8110-3 09/23/14)
5. Maintenance Requirements and Instructions for Continuing Airworthiness ACI-57181 Rev IR dated 07/01/14
6. There are no Airworthiness Limitations associated with this installation
7. Aircraft equipment list was revised to reflect these changes
8. Calculated weight and balance was complied with
9. A logbook entry was made to reflect this 337

***** END OF ENTRY*****

☐ Additional Sheets Are Attached



US Department
of Transportation
**Federal Aviation
Administration**

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

Form Approved

OMB No. 2120-0020

For FAA Use Only

Office Identification CE-57181-AV2

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of Federal Aviation Act of 1958).

1. Aircraft	Make BELL HELICOPTER TEXTRON	Model 429
	Serial No. 57181	Nationality and Registration Mark N508LB
2. Owner	Name (As shown on registration certificate) BELL HELICOPTER TEXTRON INC.	Address (As shown on registration certificate) 13901 AVIATOR WAY FORT WORTH, TX 76177-4319

3. For FAA Use Only

The data identified herein complies with applicable airworthiness requirements
and is approved for the above described aircraft subject to a conformity inspection
by a person authorized in FAR 43, section 43.7

Signature *ACE-FSDO-19*

MAY 14 2014

Date

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
BELL HELICOPTER TEXTRON INC. P O BOX 3689 BRISTOL TN 37625	☐ U.S. Certified Mechanic	FKFR930D LIMITED AIRFRAME RADIO CLASS I & II
	☐ Foreign Certified Mechanic	
	☒ Certified Repair Station	
	☐ Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date 25 July 2014	Signature of Authorized Individual <i>Shohn Perry</i> Shohn Perry
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	☒ Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 25 July 2014		Certificate or Designation No. FKFR930D	Signature of Authorized Individual <i>Bradley E McKinney</i> Bradley E. McKinney	

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.)

BELL 429

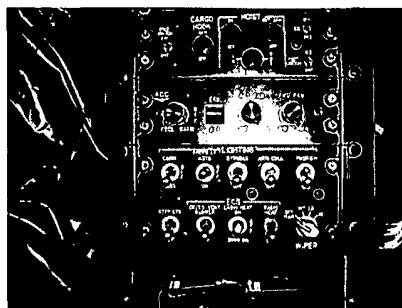
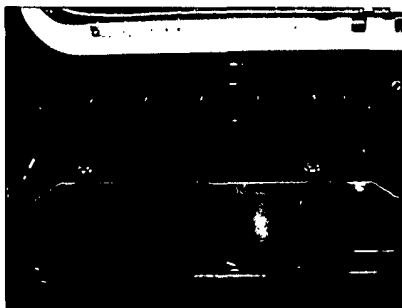
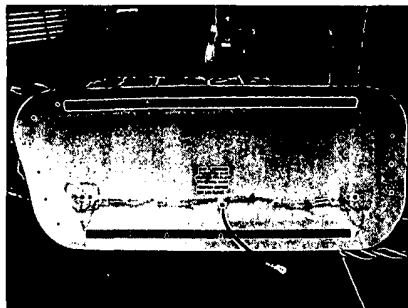
S/N 57181

N508LB

PAGE 1 of 2

Installed 8 Whelen Step Illumination lights P/N 0SU0EDCR, 2 ea. on the exterior surface of access panels (300AR, 300BR, 300AL, & 300BL) below the cabin doors (reference Whelen Installation form no. 14095A (070909)). The lights are located approximately 4" from the forward and aft edge, and approximately 4" from the lower edge of each panel. Each lamp is mounted using a 2.5" X 2" internal backing plate fabricated from 2024T3 .020 on the inner surface of the access panel, and attached with MS34026-229 screws, NAS1149DN616J washers, and MS21042L06 nuts in accordance with AC 43.13-2B chapter 4, ¶ 407a, 7-16b, 7-64e, and 7-86. A 3/16" hole was drilled for each light for the wires to pass through the panel and an MS35489-62 grommet installed in the hole. The backing plate, grommet hole, and mounting holes were sealed with PR870B2 sealant (reference Bell Process Spec.-4407).

Wiring on each panel is routed from the lights to a disconnect for ease of panel removal, this wiring is secured using ty-wrap anchors (P/N ABMM-C) and ty-wraps (P/N T50R2M4). The aircraft wiring is routed with the existing bundles in the right and left hand sides of the fuselage below the cabin floor, and up to the aft portion of the pedestal avionics console where the ON/OFF switch (P/N 112TW1-3) labeled "STEP LTS / OFF" is located in the existing BHT installed lighting control panel. Power is supplied to the Step Lights from a 1 ampere circuit breaker labeled "STEP LTS" on the 28 VDC NON-ESS bus located in the circuit breaker panel located on the forward left side of the pedestal in accordance with BHPF Drawing # AV-14-CB1008. Wire harnesses were installed referencing Bell Helicopter Piney Flats drawing AV-14-7034 which identifies wire specifications and connector part numbers. A placard was installed in the pilot's view which reads "Step Lights for ground use only". The Step Illumination Lights are not certified for NVG operations.



All work was accomplished referencing: Bell Helicopter Electrical Standard Practices Manual, BHT-ELEC-SPM, Rev. 1, dated 27 May, 2011; Bell Helicopter Textron Standard Practices Manual, BHT-ALL-SPM, Rev. 4, dated 17 June 2011; Bell Helicopter Textron Maintenance Manual 429-Series-MM-03, Rev. 4; AC 43.13-2B, Chapter 4, ¶ 402f. The equipment installed performs its intended functions and is compatible with previous installations in accordance with FAR 29.1301. The malfunction or failure of the equipment installed would have no adverse effects on other aircraft systems in accordance with FAR 29.1309(b).

BHPF wiring diagram AV-14-7034 was developed from each piece of equipment manufacturer's installation instructions /diagrams along with BHT's aircraft wiring diagrams and were provided to the aircraft owner/operator.

The above installed equipment is excluded from real time EMI testing in relation to the FADEC in accordance with FAA ASW-2001-01. The installed equipment has undergone a cross-matrix operational check for electromagnetic compatibility by operating all equipment under consideration using form: EA10149 (included in the aircraft records), and has been found to present no interference hazard, thus meeting requirements of aircraft Type Certificate R00003RD, Note 7.

It has been determined that the electrical load does not exceed 80% of the rated generator capacity. The aircraft was weighed and a new weight and balance was computed. The aircraft flight manual equipment list was revised. Provided Instructions for Continued Airworthiness (ICA), as part of this FAA Form 337, as addressed by FSIMS Flight Standards Information Management System 8900.1, Volume 4, Chapter 9, Section 1 and using the checklist in Chapter 9, Section 1 and Figure 4-66. The ICA contained in this FAA Form 337 is now part of the aircraft's inspection/maintenance requirements. Log book entry was made. Reference: W/O C18088EA.

---END---

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

1. **INTRODUCTION:** The Bell Model 429 is a FAR Part 27 certified helicopter. The above listed modification is for the installation of optional equipment that has been installed in accordance with this field approved FAA Form 337.
2. **DESCRIPTION:** The above listed work was performed to provide step entrance lighting.
3. **CONTROL, OPERATION INFORMATION:** The Step Lights should be operated **ONLY** when the aircraft is on the ground. The Step Light switch is located in the lighting panel in the aft part of the radio console. Placing the switch in the forward position turns the lights ON. Placing the switch in the OFF (aft) position turns the lights OFF.
4. **SERVICING INFORMATION:** N/A.

Instructions for Continued Airworthiness continued on page 2 of this Form 337.

☒ Additional Sheets are Attached

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.)

BELL 429

S/N 57181

N508LB

PAGE 2 of 2

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS continued

5. MAINTENANCE INSTRUCTIONS: This modification shall be inspected in accordance with:

- (a) The scope and detail contained in FAR 43 Appendix D, as applicable to the particular line item(s).
- (b) Bell Helicopter Textron Model 429 Maintenance Manual BHT-429-MM-01, current revision, Chapter 5 – Inspections; (Note: Aircraft maintenance manuals are available to each aircraft owner from Bell Helicopter Textron).
- (c) Manufacturer's publications, Service Bulletins, and/or Service Letters. (Note: Many manufacturers' publications are proprietary to the manufacturer and its approved facilities). Inspections, maintenance and/or repairs are limited to persons authorized by FAR 43, ¶ 43.3, with the approved current publications, and training.
- (d) Ensure that the "Step Lights for ground use only" placard is intact and in pilot's view.

6. TROUBLESHOOTING: If a failure or malfunction is noted, the wiring in the aircraft may be checked for proper connections per Bell Helicopter Piney Flats drawing # AV-14-7034. If no wiring problems are found, refer to item 5.

7. REMOVAL AND REPLACEMENT: Requires no special instructions due to basic installations using accepted methods, techniques, and practices, and must be performed by persons authorized by FAR 43, paragraph 43.3, refer to item 5.

8. DIAGRAMS: N/A

9. SPECIAL INSPECTIONS REQUIREMENTS: N/A

10. APPLICATION OF PROTECTIVE TREATMENTS: N/A

11. DATA: Reference: Advisory Circular AC 43.13-1B, Change 1, Chapter 7.

12. LIST OF SPECIAL TOOLS: N/A

13. COMMUTER CATEGORY AIRCRAFT: N/A

14. RECOMMENDED OVERHAUL PERIODS: No additional overhaul time limitations.

15. AIRWORTHINESS LIMITATION SECTION: There are no additional Airworthiness Limitations as defined in 14 CFR § 27, Appendix A, A27.4 that result from this alteration. The Airworthiness Limitations Section is FAA approved and specifies inspections and other maintenance required under §§ 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

16. REVISIONS: Any revisions or alterations of this ICA must be accepted by the FAA, via FAA Form 337 Field Approval Process.

--- END ---

☐ Additional Sheets are Attached



US Department
of Transportation

Federal Aviation
Administration

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

Form Approved

OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of Federal Aviation Act of 1958).

1. Aircraft	Make BELL HELICOPTER TEXTRON	Model 429
	Serial No. 57181	Nationality and Registration Mark N508LB
2. Owner	Name (As shown on registration certificate) BELL HELICOPTER TEXTRON, INC.	Address (As shown on registration certificate) 13901 AVIATOR WAY FORT WORTH, TX 76177-4319

3. For FAA Use Only

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4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
BELL HELICOPTER TEXTRON INC. P O BOX 3689 BRISTOL TN 37625	☐ U.S. Certificated Mechanic	FKFR930D LIMITED AIRFRAME RADIO CLASS I & II
	☐ Foreign Certificated Mechanic	
	☒ Certified Repair Station	
	☐ Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date 25 July 2014	Signature of Authorized Individual Shohn Perry
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	☒ Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 25 July 2014		Certificate or Designation No. FKFR930D	Signature of Authorized Individual Bradley E. McKinney	

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.)

BELL 429

S/N 57181

N508LB

PAGE 1 of 1

Installed Bell Helicopter Textron Customizing in accordance with Bell Helicopter Textron Top Drawing No. 429-799-900, Bell Helicopter Textron, Inc. – Piney Flats Configuration Document No. EA-14048 Rev NR, to include:

- MaxViz 1500 System in accordance with drawings EA429E8019, EA429-8020, EA429-2001, 429-899-087 rev K, 429-899-097 rev K, 429-899-280 rev B, 429-899-281 rev A, & 429-899-284 rev B.

The aircraft was weighed and a new weight and balance was computed. The aircraft flight manual equipment list was revised. Log book entry was made. The aircraft is approved for return to service for the above listed work. Reference: W/O C21309EA. ----END----

☐ Additional Sheets are Attached



US Department
of Transportation

Federal Aviation
Administration

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

Form Approved

OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of Federal Aviation Act of 1958).

1. Aircraft	Make BELL HELICOPTER TEXTRON	Model 429
	Serial No. 57181	Nationality and Registration Mark N508LB
2. Owner	Name (As shown on registration certificate) BELL HELICOPTER TEXTRON, INC.	Address (As shown on registration certificate) 13901 AVIATOR WAY FORT WORTH, TX 76177-4319

3. For FAA Use Only

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
BELL HELICOPTER TEXTRON INC. P O BOX 3689 BRISTOL TN 37625	☐ U.S. Certificated Mechanic	FKFR930D LIMITED AIRFRAME RADIO CLASS I & II
	☐ Foreign Certificated Mechanic	
	☒ Certified Repair Station	
	☐ Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date 25 July 2014	Signature of Authorized Individual Shohn Perry
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	☒ Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 25 July 2014		Certificate or Designation No. FKFR930D	Signature of Authorized Individual Bradley E. McKinney	

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.)

BELL 429

S/N 57181

N508LB

PAGE 1 of 1

- Removed the existing Garmin GNS-430W & 530W systems in accordance with Retrofit kit in accordance with BHT drawing 429-704-009-109.
- Installed Garmin GTN-750 BHT Retrofit kit 429-704-009-109 in accordance with BHT Retrofit kit in accordance with BHT drawing 429-704-009-109.
- Installed Garmin GTN-650 BHT Retrofit kit 429-704-009-109 in accordance with BHT Retrofit kit in accordance with BHT drawing 429-704-009-109.
- Installed BHT HTAWS Retrofit Kit 429-704-014, Enablement Kit 429-706-639, HTAWS Provisions Kit 429-706-275 IBF Retrofit 429-704-011, TCAS Retrofit 429-704-010, and ELT Retrofit 42—704-018 for GTN-750; in accordance with BHT-429-II-49, BHT drawings 42-704-014 and 429-706-639.

BHT-429-FMS-19 and BHT-429-FMS-21 were installed into the Rotorcraft Flight Manual BHT-429-FM-1.

The aircraft was weighed and a new weight and balance was computed. The aircraft flight manual equipment list was revised. Log book entry was made. The aircraft is approved for return to service for the above listed work. Reference: W/O C21309EA.

---END---

☐ Additional Sheets are Attached



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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 N508LB	Serial No. 57181
	Make BELL HELICOPTER TEXTRON CANADA LTD.	Model 429
2. Owner	Name (As shown on registration certificate) BELL HELICOPTER TEXTRON INC.	Address (As shown on registration certificate) Address 13901 AVIATOR WAY City FORT WORTH State TX Zip 76177-4319 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME		(As described in Item 1 above)	
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	BELL HELICOPTER TEXTRON INC.	☐ U. S. Certificated Mechanic	☐ Manufacturer
Address	450 INDUSTRIAL PARK ROAD	☐ Foreign Certificated Mechanic	C. Certificate No.
City	PINEY FLATS State TN	☒ Certificated Repair Station	
Zip	37686 Country USA	☐ Certificated Maintenance Organization	FKFR930D

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 Derek Woodward / 7-25-2014
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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 ☒ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee ☒	Repair Station	Inspection Authorization	

Certificate or Designation No. FKFR930D	Signature/Date of Authorized Individual William Byrd / 7-25-2014
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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

N508LB

7/25/2014

Nationality and Registration Mark

Date

Installed the following:

Air Comm Corporation Cabin Air Conditioner System (Single Evap) IAW STC No. SR00693DE (Note: Air Comm Document No. 429EC-200M-1 Rev. 4, dated March 21, 2011 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Air Comm Corporation Cabin Heater Equipment IAW STC No. SR00692DE (Note: Air Comm Document No. 429H-201M-1 Rev. 1, dated September 10, 2009 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Automatic Crew & Passenger Door Opener Kits IAW STC No. SR00707DE (Note: AA Report No. AA-09074 Rev. E, dated January 16, 2012 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Crew & Passenger Floor Protector Kits IAW STC No. SR00707DE (Note: AA Report No. AA-09074 Rev. E, dated January 16, 2012 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Fuel Filler Protector Kit IAW STC No. SR00707DE (Note: AA Report No. AA-09074 Rev. E, dated January 16, 2012 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Removable Crew Door Kit IAW STC No. SR00741DE (Note: AA Report No. AA-11071 Rev. B, dated April 22, 2013 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Sliding Door Push-Out Windows Kit IAW STC No. SR00739DE (Note: AA Report No. AA-11065 Rev. A, dated December 2, 2011 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bristol Aerospace Limited Wire Strike Protection System (WSPS) Equipment IAW STC No. SR02791NY (Note: Bristol Aerospace Document No. PM-965-067 Issue G was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Weighed aircraft & computed new weight & balance. Revised flight manual equipment list. Log book entry made. Reference Bell Helicopter Textron Inc. - Piney Flats work order C21309EA for details.

--- END ---

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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 N508LB	Serial No. 57181
	Make BELL HELICOPTER TEXTRON CANADA LTD.	Model 429
2. Owner	Name (As shown on registration certificate) BELL HELICOPTER TEXTRON INC.	Address (As shown on registration certificate) Address 13901 AVIATOR WAY City FORT WORTH State TX Zip 76177-4319 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME		(As described in Item 1 above)	
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	BELL HELICOPTER TEXTRON INC.	U. S. Certificated Mechanic	Manufacturer
Address	450 INDUSTRIAL PARK ROAD	Foreign Certificated Mechanic	C. Certificate No.
City	PINEY FLATS State TN	☒ Certificated Repair Station	FKFR930D
Zip	37686 Country USA	Certificated Maintenance Organization	

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 Derek Woodward / 7-25-2014
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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 ☒ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee ☒	Repair Station	Inspection Authorization	

Certificate or Designation No. FKFR930D	Signature/Date of Authorized Individual William Byrd / 7-25-2014
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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

N508LB

7/25/2014

Nationality and Registration Mark

Date

INSTALLED THE FOLLOWING:

Bell Helicopter Textron Auxiliary Fuel Tank Kit (39.2 USG) IAW BHT-429-II-5.

Weighed aircraft & computed new weight & balance. Flight manual equipment list was revised. Log book entry made. Reference Bell Helicopter Textron Inc. - Piney Flats work order C21309EA for details.

--- END ---

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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 N508LB	Serial No. 57181
	Make BELL HELICOPTER TEXTRON CANADA LTD.	Model 429
2. Owner	Name (As shown on registration certificate) BELL HELICOPTER TEXTRON INC.	Address (As shown on registration certificate) Address 13901 AVIATOR WAY
		City FORT WORTH State TX Zip 76177-4319 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME		(As described in Item 1 above)	
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	BELL HELICOPTER TEXTRON INC.	☐ U. S. Certificated Mechanic	☐ Manufacturer
Address	450 INDUSTRIAL PARK ROAD	☐ Foreign Certificated Mechanic	C. Certificate No.
City	PINEY FLATS State TN	☒ Certificated Repair Station	FKFR930D
Zip	37686 Country USA	☐ Certificated Maintenance Organization	

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 Derek Woodward / 7-25-2014 <i>Derek Woodward</i>
--	---

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 ☒ Approved ☐ Rejected

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

Certificate or Designation No. FKFR930D	Signature/Date of Authorized Individual William Byrd / 7-25-2014 <i>W. Byrd</i>
---	--

NOTICE

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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

N508LB

7/25/2014

Nationality and Registration Mark

Date

Installed the following:

Air Comm Corporation Cabin Air Conditioner System (Single Evap) IAW STC No. SR00693DE (Note: Air Comm Document No. 429EC-200M-1 Rev. 4, dated March 21, 2011 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Air Comm Corporation Cabin Heater Equipment IAW STC No. SR00692DE (Note: Air Comm Document No. 429H-201M-1 Rev. 1, dated September 10, 2009 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Automatic Crew & Passenger Door Opener Kits IAW STC No. SR00707DE (Note: AA Report No. AA-09074 Rev. E, dated January 16, 2012 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Crew & Passenger Floor Protector Kits IAW STC No. SR00707DE (Note: AA Report No. AA-09074 Rev. E, dated January 16, 2012 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Fuel Filler Protector Kit IAW STC No. SR00707DE (Note: AA Report No. AA-09074 Rev. E, dated January 16, 2012 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Removable Crew Door Kit IAW STC No. SR00741DE (Note: AA Report No. AA-11071 Rev. B, dated April 22, 2013 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bell Helicopter Textron, Inc. (AA) Sliding Door Push-Out Windows Kit IAW STC No. SR00739DE (Note: AA Report No. AA-11065 Rev. A, dated December 2, 2011 was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

Bristol Aerospace Limited Wire Strike Protection System (WSPS) Equipment IAW STC No. SR02791NY (Note: Bristol Aerospace Document No. PM-965-067 Issue G was provided & describes Instructions for Continued Airworthiness (ICA), which is now part of the aircraft's inspection/maintenance requirements)

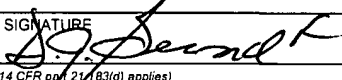
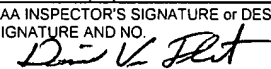
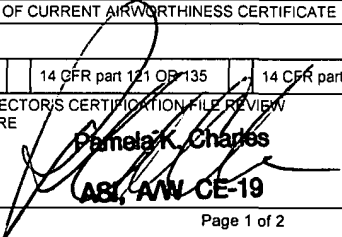
Weighed aircraft & computed new weight & balance. Revised flight manual equipment list. Log book entry made. Reference Bell Helicopter Textron Inc. - Piney Flats work order C21309EA for details.

--- END ---

☐ Additional Sheets Are Attached

FAA FORM 8130-6, APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE

Form Approved O.M.B. No. 2120-0018
Expiration Date 02/28/2013

 U.S. Department of Transportation Federal Aviation Administration		APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE		INSTRUCTIONS - Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use attachment. For special flight permits complete Sections II, VI, and VII as applicable.	
I. AIRCRAFT DESCRIPTION	1. REGISTRATION MARK N508LB	2. AIRCRAFT BUILDER'S NAME (Make) Bell Helicopter Textron Canada Ltd.	3. AIRCRAFT MODEL DESIGNATION 429	4. YR. MFR. 2013	FAA CODING
	5. AIRCRAFT SERIAL NO. 57181	6. ENGINE BUILDER'S NAME (Make) Pratt & Whitney Canada Corporation	7. ENGINE MODEL DESIGNATION PW207D1		
	8. NUMBER OF ENGINES 2	9. PROPELLER BUILDER'S NAME (Make) N/A	10. PROPELLER MODEL DESIGNATION N/A		11. AIRCRAFT IS (Check if applicable) ☒ IMPORT
	APPLICATION IS HEREBY MADE FOR: (Check applicable items)				
II. CERTIFICATION REQUESTED	A 1 ☒ STANDARD AIRWORTHINESS CERTIFICATE (Indicate category) ☒ NORMAL ☐ UTILITY ☐ ACROBATIC ☐ TRANSPORT ☐ COMMUTER ☐ BALLOON ☐ OTHER				
	B SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)				
	7 PRIMARY				
	9 LIGHT-SPORT (Indicate Class) ☐ Airplane ☐ Power-Parachute ☐ Weight-Shift-Control ☐ Glider ☐ Lighter than Air				
	2 LIMITED				
	5 PROVISIONAL (Indicate class)				
	3 RESTRICTED (Indicate operation(s) to be conducted)				
	4 EXPERIMENTAL (Indicate operation(s) to be conducted)				
	8 SPECIAL FLIGHT PERMIT (Indicate operation to be conducted, then complete Section VI or VII as applicable on reverse side)				
	C 6 MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited" as applicable)				
	A. REGISTERED OWNER (As shown on certificate of aircraft registration) IF DEALER, CHECK HERE NAME: Bell Helicopter Textron Inc. ADDRESS: 13901 Aviator Way, Fort Worth, TX 76177-4319				
	B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated) ☒ AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No. and Revision No.) R00003RD, Revision 1 ☒ AIRWORTHINESS DIRECTIVES (Check if all applicable ADs are complied with and give the number of the last AD SUPPLEMENT available in the biweekly series as of the date of application) 2014-03-17 ☐ AIRCRAFT LISTING (Give page number(s)) N/A ☒ SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated) See attachment for listing				
	C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS ☒ CHECK IF RECORDS IN COMPLIANCE WITH 14 CFR section 91.417 TOTAL AIRFRAME HOURS 12.3 ☐ EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed) 3				
	D. CERTIFICATION - I hereby certify that I am the registered owner (or his agent) of the aircraft described above, that the aircraft is registered with the Federal Aviation Administration in accordance with Title 49 of the United States Code 44101 <u>et seq.</u> and applicable Federal Aviation Regulations, and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.				
	DATE OF APPLICATION 2/21/2014 NAME AND TITLE (Print or type) Daniel J. Berndt, Product Manager SIGNATURE 				
IV. INSPECTION AGENCY VERIFICATION	A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete the section only if 14 CFR part 21.183(d) applies)				
	2 14 CFR part 121 CERTIFICATE HOLDER (Give Certificate No.) 3 CERTIFICATED MECHANIC (Give Certificate No.) 6 CERTIFICATED REPAIR STATION (Give Certificate No.)				
	5 AIRCRAFT MANUFACTURER (Give name or firm)				
V. FAA REPRESENTATIVE CERTIFICATION	(Check ALL applicable block items A and B) A. I find that the aircraft described in Section I or VII meets requirements for ☒ THE CERTIFICATE REQUESTED ☐ AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE				
	B. Inspection for a special flight permit under Section VII was conducted by:				
	DATE 2/21/2014 MIDO/FSDO OFFICE ACE-FSDO-19 4 FAA INSPECTOR'S SIGNATURE OR DESIGNEE'S SIGNATURE AND NO.  David Van Fleet, ODA-710621-SW 1 FAA INSPECTOR'S CERTIFICATION FILE REVIEW SIGNATURE  Pamela K. Charles, ASI, AWW CE-19				
	DATE 2/21/2014 MIDO/FSDO OFFICE ACE-FSDO-19 4 FAA INSPECTOR'S SIGNATURE OR DESIGNEE'S SIGNATURE AND NO. David Van Fleet, ODA-710621-SW 1 FAA INSPECTOR'S CERTIFICATION FILE REVIEW SIGNATURE Pamela K. Charles, ASI, AWW CE-19				

VI. PRODUCTION FLIGHT TESTING	A. MANUFACTURER							
	NAME		ADDRESS					
	B. PRODUCTION BASIS (Check applicable item)							
	☐ PRODUCTION CERTIFICATE (Give production certificate number) _____ ☐ TYPE CERTIFICATE _____ ☐ OTHER: _____							
	C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS							
DATE OF APPLICATION		NAME AND TITLE (Print or type)		SIGNATURE				
VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST	A. DESCRIPTION OF AIRCRAFT							
	REGISTERED OWNER		ADDRESS					
	BUILDER (Make)		MODEL					
	SERIAL NUMBER		REGISTRATION MARK					
	B. DESCRIPTION OF FLIGHT CUSTOMER DEMONSTRATION FLIGHTS ☐ (Check if applicable)							
	FROM		TO					
	VIA		DEPARTURE DATE	DURATION				
	C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT							
	☐	PILOT	☐	CO-PILOT	☐	FLIGHT ENGINEER	☐	OTHER (Specify)
	D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:							
	E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION: (Use attachment if necessary)							
	F. CERTIFICATION - I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Title 49 of the United States Code 44101 <u>et seq</u> and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is safe for the flight described.							
	DATE		NAME AND TITLE (Print or type)			SIGNATURE		
VIII. AIRWORTHINESS DOCUMENTATION (FAA DESIGNEE use only)	☒	A. Operating Limitations and Markings in Compliance With 14 CFR Section 91.9, As Applicable			G. Statement of Conformity, FAA Form 8130-9 (Attach when required)			
		B. Current Operating Limitations Attached			☒	H. Foreign Airworthiness Certification for Import Aircraft (Attach when required)		
		C. Data, Drawings, Photographs, etc. (Attach when required)			I. Previous Airworthiness Certificate Issued in Accordance With 14 CFR Section _____ CAR _____ (Original attached)			
	☒	D. Current Weight and Balance Information Available in Aircraft						
	☒	E. Major Repair and Alteration, FAA Form 337 (Attach when required)			☒	J. Current Airworthiness Certificate Issued in Accordance With 14 CFR Section 21.183(c) per 14 CFR 183.49 (Copy attached)		
	☒	F. This inspection Recorded in Aircraft Records			K. Light-Sport Aircraft Statement of Compliance, FAA Form 8130-15 (Attach when required)			

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS N508LB	2 MANUFACTURER AND MODEL BELL HELICOPTER TEXTRON CANADA LTD MODEL 429	3 AIRCRAFT SERIAL NUMBER 57181	4 CATEGORY NORMAL
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5 AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to 49 U.S.C. § 44704 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions: NONE

6 TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the FAA, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
FEB 21 2014	David Van Fleet 	ODA-710621-SW

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years or both.
THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

BELL MODEL 429 SERIAL NUMBER 57181
LISTING OF SUPPLEMENTAL TYPE CERTIFICATES

STC Number:

SR00692DE WC 337 L

SR02791NY WC 337 L



STC Holder & Description of Modification:

Air Comm Corporation Cabin Heater Provisions

Bristol Aerospace Limited Wire Strike Protection System Provisions



Transport
Canada

Transports
Canada

EXPORT AIRWORTHINESS CERTIFICATE

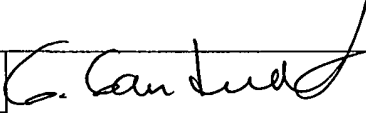
This certifies that the aircraft identified below and described in the relevant type certificate mentioned herein has been examined and as of the date of this certificate conforms to the data forming the basis for the type certificate, is in a condition for safe operation and complies with any additional airworthiness requirements specified by the importing country.

This certificate does not constitute a flight authority.

CERTIFICAT DE NAVIGABILITÉ POUR EXPORTATION

Ce certificat atteste que l'aéronef indiqué ci-dessous et décrit par le certificat de type pertinent ci-mentionné, a été inspecté et qu'à la date du présent document, il est conforme aux prescriptions du certificat de type, est en bon état de service et qu'il satisfait aux exigences supplémentaires de navigabilité stipulées par le pays Importateur.

Ce certificat ne constitue pas une autorité de vol.

For export to / Pour exportation vers UNITED STATES OF AMERICA			This aircraft is / Cet aéronef est ☒ New / Neuf ☐ Used / Usagé	
	Manufacturer / Constructeur	Model / Modèle	Serial Number / Numéro de série	Type Certificate No. / N° du certificat de type
Aircraft / Aéronef	BELL HELICOPTER TEXTRON CANADA LTD.	429	57181 ✓	H-107
Engine(s) installed / Moteur(s) installé(s)	PRATT & WHITNEY CANADA CORP.	PW207D1 PW207D1	PCE-BL0373 ✓ PCE-BL0374 ✓	E-23 / E42NE E-23 / E42NE
Propeller(s) installed / Hélices(s) installé(es)	N/A			
Additional airworthiness requirements / Exigences supplémentaires de navigabilité The rotorcraft covered by this certificate has been examined, tested and found to comply with the type design approved under Type Certificate R00003RD rev. 1 dated 02/15/2011 and to be in condition for safe operation. ✓				
Exceptions No Exception <u>The following STC's are embodied:</u> STC SR00692DE / SH10-34 INSTALLATION OF BLEED AIR HEATER PROVISION / AIR COMM CORPORATION STC SR02791NY / SH10-4 INSTALLATION OF WIRE STRIKE PROTECTION SYSTEM / BRISTOL AEROSPACE				
Issued at / Délivré à MIRABEL, QUEBEC, CANADA			 Ghyslain Gaudreault For the Minister of Transport / Pour le ministre des Transports	
This / Ce	03	day of / jour de	December	2013

Copies of the Type Certificate are available on request from Transport Canada,
Ottawa, Canada K1A 0N8

Des copies du certificat de type sont disponible sur demande à Transports Canada,
Ottawa, Canada K1A 0N8



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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 N508lb	Serial No. 57181	
	Make BELL HELICOPTER TEXTRON CANADA LTD.	Model 429	Series
2. Owner	Name (As shown on registration certificate) BELL HELICOPTER TEXTRON INC.		Address (As shown on registration certificate)
			Address 13901 AVIATOR WAY
			City FORT WORTH State TX
			Zip 76177-4319 Country USA

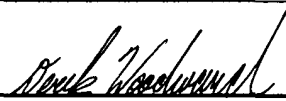
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

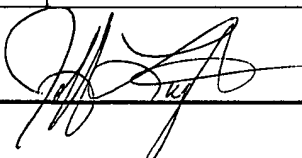
6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name BELL HELICOPTER TEXTRON INC.		☐ U. S. Certificated Mechanic	☐ Manufacturer
Address 450 INDUSTRIAL PARK ROAD		☐ Foreign Certificated Mechanic	C. Certificate No.
City PINEY FLATS State TN		☒ Certificated Repair Station	
Zip 37686 Country USA		☐ Certificated Maintenance Organization	FKFR930D

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 Derek Woodward / 2-20-2014 
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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 ☒ Approved ☐ Rejected					
BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport	
	FAA Designee ☒	Repair Station	Inspection Authorization	Other (Specify)	
Certificate or Designation No. FKFR930D		Signature/Date of Authorized Individual Jeff Livingston / 2-20-2014 			

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

N508LB

2/20/2014

Nationality and Registration Mark

Date

Inspected & found the following to be installed from Bell Helicopter Textron Canada Ltd. (BHTCL):
Air Comm Corporation Cabin Heater Provisions IAW STC No. SR00692DE
Bristol Aerospace Limited Wire Strike Protection System {WSPS} Provisions IAW STC No. SR02791NY

Aircraft was previously weighed. Flight manual equipment list was verified. Log book entry made. Reference Bell Helicopter Textron Inc. - Piney Flats work order C21309EA for details.

--- END ---

☐ Additional Sheets Are Attached