



US Department of Transportation
Federal Aviation Administration

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

OMB No. 2120-0020
Exp. 8/31/2014

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See FAR 43.9 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 N722JE	Serial No. 760750
	Make SIKORSKY	Model S-76C Series
2. Owner	Name (As shown on registration certificate) Hyperion Air LLC	Address (As shown on registration certificate) Address 6100 Red Hook Quarter, B3 City St. Thomas State Zip 00F02 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification		
Repair	Alteration	Unit	Make	Model
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	-----	(As described in item 1 above)
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT		
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER		
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	
			Manufacturer	

6. Conformity Statement

A. Agency's Name and Address International Jet Interiors 2221 Smithtown Ave Ronkonkoma, New York 11779 USA	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization	Manufacturer CRS I1JR439Y
--	---	-------------------------------------

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 <input type="checkbox"/>	Signature/Date of Authorized Individual Jay Massar 8/27/2019	INSP 001
--	---	-----------------

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. CRS I1JR439Y	Signature/Date of Authorized Individual Thomas Norden 8/27/2019	INSP 002
---	--	-----------------

FAA Form 337 (10-06)

SDNY_GM_02757629

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244551

EFTA01329414

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 accomplished.)

USA	N722JE	Date
Nationality and Registration Mark		8/27/2019

- 1) Reupholstered the existing Divans (Outer Cover Only) with Cowtan & Tout Fabric: L8905-07, EMI Silver. All PAX seat belts have been rewbedded by Aircraft Belts Inc. (FAA/CRS # YB1R632K) reference Certificate of Conformance dated 8/9/2019.
- 2) All PAX Seat Cushions have been fireblocked in accordance with FAA Title 14 CFR 29.853 (a) Amdt 29-23 and Part 25 Appendix F Part I (a)(1)(ii) and Title 14 CFR 29.853 (b) and Part 25 appendix F part II requirements. Reference Skandia Inc. FAA/DER form 8110-3 (attached) dated 08/21/2019 (Skandia TP 28191 Rev A dated 8/21/2019) by FAA/DER Mackenzie Kacvinsky, (DERY-834396-CE).
- 3) Relocated the existing phone & reel assy (P/N TN1003-101) from the window line panel to the Fwd facing Divan RH cabinet in accordance with International Jet Interiors structural drawing No. IJI-S76C-750-01, Rev IR dated 8/13/2019, Titled "Instl-Phone Relocation". The listed structural drawing was approved via (attached) FAA/DER Form 8110-3 dated 8/22/2019, by Karol Mordasiewicz (DERT-834582-CE).
- 4) Reupholstered the existing Crew Seats with Aeristo leather: Aeronappa Incas P/N AN-G-018M, D/L Y18-P-1214 and Aeristo Leather: Alcantara Anthracite PN ALCA-AV-1883 (center insert). Reference Skandia Inc. FAA/DER form 8110-3 (attached) dated 08/21/2019 (Skandia burn report TP# 360764-19, Rev A dated 8/21/2019) by FAA/DER Jane Biberstein, (DERY-832780-CE). Crew seat belts have been rewbedded by C&M Marine Aviation Services Inc. (FAA/CRS # V05R749Y) reference 8130-3 dated 8/1/2019.
- 5) Stripped and recovered the existing Headliner Panels, Window Line and Side Wall Panels throughout the cabin and cockpit with Aeristo leather: Aeronappa Incas P/N AN-G-018M, D/L Y18-P-1214. Reference Skandia Inc. FAA/DER form 8110-3 (attached) dated 08/21/2019 (Skandia burn report TP# 360764-19, Rev A dated 8/21/2019) by FAA/DER Jane Biberstein, (DERY-832780-CE).
- 6) Stripped and recovered the existing Headliner Insert with Perrone Fabric: Alcantara Avant 4883 Anthracite ALCA-AV-4883. Reference Skandia Inc. FAA/DER form 8110-3 (attached) dated 08/21/2019 (Skandia burn report TP# 360764-19, Rev A dated 8/21/2019) by FAA/DER Jane Biberstein, (DERY-832780-CE).
- 7) Stripped and recovered the existing upper and lower side wall panels, cabin door overlay, cabin side ledge throughout the cabin and cockpit with Aeristo leather: Aeronappa Incas P/N AN-G-018M, D/L Y18-P-1214. Reference Skandia Inc. FAA/DER form 8110-3 (attached) dated 08/21/2019 (Skandia burn report TP# 360764-19, Rev A dated 8/21/2019) by FAA/DER Jane Biberstein, (DERY-832780-CE).
- 8) Stripped and recovered the existing Cabin Fwd Bulkhead Panels with Aeristo leather: Aeronappa Incas P/N AN-G-018M, D/L Y18-P-1214 and Dedar Fabric: 3040/14 Contemporary/Perla. Reference Skandia Inc. FAA/DER form 8110-3 (attached) dated 08/21/2019 and 8/23/2019 (Skandia burn reports TP# 360764-19, Rev A dated 8/21/2019 and TP 360828-19, Rev A dated 8/23/2019) by FAA/DER Jane Biberstein, (DERY-832780-CE).
- 9) Stripped and recovered the existing Cabin Aft Bulkhead Panels with Aeristo leather: Aeronappa Incas P/N AN-G-018M, D/L Y18-P-1214 and E&T Mirror 2064 Grey M IMP K. Reference Skandia Inc. FAA/DER form 8110-3 (attached) dated 08/21/2019 and 8/23/2019 (Skandia burn reports TP# 360764-19, Rev A dated 8/21/2019 and TP 360828-19, Rev A dated 8/23/2019) by FAA/DER Jane Biberstein, (DERY-832780-CE).
- 10) Installed new replacement Carpet throughout Cabin and Cockpit with Red Rock carpet: Hampton 1-1 GR968, Color Black. Reference Skandia Inc. FAA/DER form 8110-3 dated 08/21/2019 (Skandia burn report TP# 360764-19, Rev A dated (attached) 8/21/2019 by FAA/DER Jane Biberstein, (DERY-832780-CE).

g2M
00

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757630

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244552

EFTA01329415

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 accomplished.)

USA N722JE	Date
Nationality and Registration Mark	8/27/2019

- 11) All affected areas of the aircraft interior have been placarded in accordance with Keystone Helicopter Engineering Document No. ICO1217 Rev G.
- 12) This aircraft's W&B has been revised (calculated) this date showing new CG.
- 13) A logbook entry has been made reflecting this alteration.
- 14) This Refurbishment/Repair/Alteration to the existing Cabin Interior furnishings requires No Scheduled Maintenance Tasks or Airworthiness Limitations, refer to the OEM Maintenance Manual, and all other existing ICA's. The Aircraft's Scheduled Maintenance Program is not altered by this Modification/refurbishment.
- 15) The work described, has been found to be in conformity with the above mentioned approved data and continues to meet the airworthiness criteria under which it was originally certificated. Work Order No. 19150, on file at this agency, covers the above described work.

No further entries.

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757631

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244553

EFTA01329416

SDNY_GM_02757632

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244554

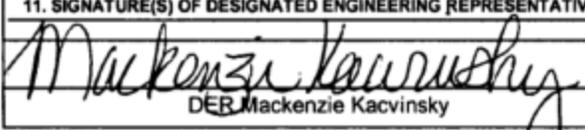
EFTA01329417

SDNY_GM_02757634

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244556

EFTA01329419

U. S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			1. DATE 08/21/2019
STATEMENT OF COMPLIANCE WITH AIRWORTHINESS STANDARDS			
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
2. MAKE Sikorsky	3. MODEL NO. S-76C	4. Type (Airplane, Engine, Propeller, etc.) Helicopter	5. NAME OF APPLICANT International Jet Interiors
LIST OF DATA			
6. IDENTIFICATION		7. TITLE	
TP 28191 Rev A Dated 8/21/2019		Skandia, Inc. Flammability Test Report Oil Burner Testing and Vertical Burner Testing Notes: 1) Work accomplished under Skandia Inc. WO # 360502-19, Ref Document ID 102212 . 2) Flammability test witnessing only, does not constitute installation approval of the materials.	
8. PURPOSE OF DATA Demonstration of compliance with material flammability requirements in support of Major Repair & Alteration for S/N 760750			
9. APPLICABLE REQUIREMENTS (List specific sections) 14 CFR Part 29.853 (a) Amdt 29-23 and Part 25 Appendix F Part I (a)(1)(ii) 14 CFR 29.853(b) and Part 25 Appendix F Part II			
10. CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under 14 CFR Part 183, data listed above and on attached sheets numbered <u>DA</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Airworthiness Standards listed. <input type="checkbox"/> Recommend approval of these data I (We) Therefore <input checked="" type="checkbox"/> Approve these data			
11. SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE		12. DESIGNATION NUMBER(S)	13. CLASSIFICATION(S)
 DER Mackenzie Kacvinsky		DERY-834396-CE	Structural Special

FAA Form 8110-3 (03/10) SUPERSEDES PREVIOUS EDITION

SDNY_GM_02757635

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244557

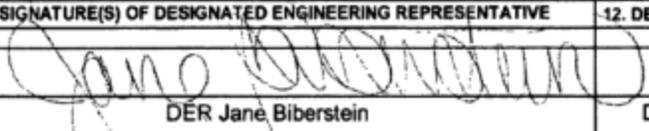
EFTA01329420

SDNY_GM_02757636

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244558

EFTA01329421

U. S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			1. DATE 08/21/2019
STATEMENT OF COMPLIANCE WITH AIRWORTHINESS STANDARDS			
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
2. MAKE Sikorsky Aircraft Co	3. MODEL NO. S-76C	4. Type (Airplane, Engine, Propeller, etc.) Helicopter	5. NAME OF APPLICANT International Jet Interiors
LIST OF DATA			
6. IDENTIFICATION		7. TITLE	
TP 360764-19 Rev A Dated 8/21/2019		Skandia, Inc. Flammability Test Report Bunsen Burner Testing Test Specimen Part Numbers: PN: 1 (Represents: Headliner panels) PN: 2 (Represents: Cockpit door panel & side wall panels) PN: 2A (Represents: Cockpit door panel & side wall panels) PN: 5 (Represents: Cockpit crew seats) PN: 6 (Represents: Cabin floor covering carpet) PN: 12 (Represents: Headliner panel insert) PN: 13 (Represents: Cabin door panel overlay) Notes: 1) Work accomplished under Skandia Inc. WO # 360764-19, Ref Document ID 102231. 2) Flammability test witnessing only, does not constitute installation approval of the materials.	
8. PURPOSE OF DATA Demonstration of compliance with material flammability requirements in support of Major Repair & Alteration for S/N 760750			
9. APPLICABLE REQUIREMENTS (List specific sections) 14 CFR Part 29.853 (a) Amdt 29-23 and Part 25 Appendix F Part I (a)(1)(i) 14 CFR Part 29.853 (a) Amdt 29-23 and Part 25 Appendix F Part I (a)(1)(ii)			
10. CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under 14 CFR Part 183, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Airworthiness Standards listed. <input type="checkbox"/> Recommend approval of these data I (We) Therefore <input checked="" type="checkbox"/> Approve these data			
11. SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE		12. DESIGNATION NUMBER(S)	13. CLASSIFICATION(S)
 DER Jane Biberstein		DERY-832780-CE	Structural Special

FAA Form 8110-3 (03/10) SUPERSEDES PREVIOUS EDITION

SDNY_GM_02757637

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244559

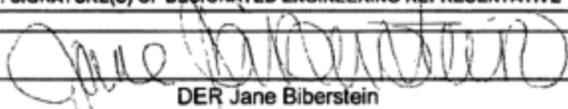
EFTA01329422

SDNY_GM_02757638

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244560

EFTA01329423

U. S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			1. DATE 08/23/2019
STATEMENT OF COMPLIANCE WITH AIRWORTHINESS STANDARDS			
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
2. MAKE Sikorsky Aircraft Co	3. MODEL NO. S-76C	4. Type (Airplane, Engine, Propeller, etc.) Helicopter	5. NAME OF APPLICANT International Jet Interiors
LIST OF DATA			
6. IDENTIFICATION		7. TITLE	
TP 360828-19 Rev A Dated 8/23/2019		Skandia, Inc. Flammability Test Report Bunsen Burner Testing Test Specimen Part Numbers: PN: 9 (Represents: FWD cabin bulkhead) PN: 14 (Represents: Aft cabin bulkhead) Notes: 1) Work accomplished under Skandia Inc. WO # 360828-19, Ref Document ID 102236. 2) Flammability test witnessing only, does not constitute installation approval of the materials.	
8. PURPOSE OF DATA Demonstration of compliance with material flammability requirements in support of Major Repair & Alteration for S/N 760750			
9. APPLICABLE REQUIREMENTS (List specific sections) 14 CFR Part 29.853 (a) Amdt 29-23 and Part 25 Appendix F Part I (a)(1)(i)			
10. CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under 14 CFR Part 183, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Airworthiness Standards listed. <input type="checkbox"/> Recommend approval of these data I (We) Therefore <input checked="" type="checkbox"/> Approve these data			
11. SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE		12. DESIGNATION NUMBER(S)	13. CLASSIFICATION(S)
 DER Jane Biberstein		DERY-832780-CE	Structural Special

FAA Form 8110-3 (03/10) SUPERSEDES PREVIOUS EDITION

SDNY_GM_02757639

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244561

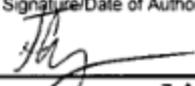
EFTA01329424

SDNY_GM_02757640

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244562

EFTA01329425

 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		Serial No	
	N722JE		760750	
2. Owner	Make		Model	Series
	Keystone Helicopter		S76	C++
Name (As shown on registration certificate)		Address (As shown on registration certificate)		
ASI Wings LLC		Address 151 Farmington Ave		
		City Hartford State CT		
		Zip 06156 Country USA		
3 For FAA Use Only				
4. Type		5. Unit Identification		
Repair	Alteration	Unit	Make	Model
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT		
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER		
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	
			Manufacturer	
6 Conformity Statement				
A Agency's Name and Address			B Kind of Agency	
Name Associated Aircraft Group, Inc.			U S Certified Mechanic	
Address 32 Griffith Way			Manufacturer	
City Wappingers Falls State NY			Foreign Certified Mechanic	
Zip 12590 Country USA			<input checked="" type="checkbox"/> Certified Repair Station	
			C Certificate No	
			Certificated Maintenance Organization	
			AYPR340S	
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 <input type="checkbox"/>		Signature/Date of Authorized Individual		
		 Tom Henry 28 Apr 16		
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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected				
BY	FAA Fit Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No		Signature/Date of Authorized Individual		
AYPR340S		 CP Scheftic 28 Apr 16		

FAA Form 337 (10-06)



SDNY_GM_02757641

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244563

EFTA01329426

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.)

N722JE

28 Apr 16

Nationality and Registration Mark

Date

Alteration to Sikorsky S-76C++, N722JE, 760750 @ Aircraft TSN 1,747 0, Lndgs 3,698

Removed engine oil access door P/N 76302-07014-061 and installed new engine oil access door P/N 76302-07014-049, modified with the "Thumb Latches" IAW Sikorsky Drawing No 33776-84145 Ref also Sikorsky Drawings 33776-84145-AL-001 Application List and 33776-84145-PL-001 Parts List

The Door with Thumb Latches is an on-condition component with no airworthiness life limited parts

This alteration does not require a Rotorcraft Flight Manual revision

Weight and Balance is not affected by this alteration

Airworthiness Inspections will be accomplished IAW the existing Sikorsky Airworthiness Limitations and Inspection Requirements Manual, ALIRM, SA 4047-76C-2-1, Ch 5-20-00

Pertinent details are on file under Work Order 5262-04-2016

Additional Sheets Are Attached



FAA Form 337 (10-06)

SDNY_GM_02757642

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244564

EFTA01329427

SDNY_GM_02757644

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244566

EFTA01329429

SDNY_GM_02757646

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244568

EFTA01329431

SDNY_GM_02757648

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244570

EFTA01329433

 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
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 N722JE			Serial No. 760750	
	Make Keystone Helicopter			Model S-76C	Series
2. Owner	Name (As shown on registration certificate) ASI Wings, LLC			Address (As shown on registration certificate) 151 Farmington Avenue	
				City Hartford	State CT
			Zip 06156-0001	Country U.S.A.	
3. For FAA Use Only					
4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		
6. Conformity Statement					
A. Agency's Name and Address			B. Kind of Agency		
Name <u>Pro Star Aviation, LLC</u>			<input type="checkbox"/> U. S. Certificated Mechanic		<input type="checkbox"/> Manufacturer
Address <u>5 Industrial Drive, Manchester Airport</u>			<input type="checkbox"/> Foreign Certificated Mechanic		C. Certificate No.
City <u>Londonderry</u> State <u>NH</u>			<input checked="" type="checkbox"/> Certificated Repair Station		<u>P6UR006Y</u>
Zip <u>03053</u> Country <u>U.S.A.</u>			<input type="checkbox"/> 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 <input type="checkbox"/>		Signature/Date of Authorized Individual			
		Spencer Roy 		04-27-16	
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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected					
BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport	
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)	
Certificate or Designation No. P6UR006Y		Signature/Date of Authorized Individual			
		Spencer Roy 		04-27-16	

FAA Form 337 (10-06)

SDNY_GM_02757649

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244571

EFTA01329434

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.)

N722JE

Nationality and Registration Mark

04-~~23~~-2016

Date

----- DUAL TDR-94D TRANSPONDER WITH ABS-B OUT UPGRADE (STC SR09641RC) -----

- Upgraded the Transponder System by removing the existing TDR-94 (2 each) and installing the New TDR-94D (2 each), Annunciator (2 each), associated electrical wiring and component provisions, per the Installation Instructions (-02 Installation), PHI document PHI-S76-II-0003, revision 2.
- Installed the TDR-94D (part number 622-9210-551, 2 each), per the PHI mechanical drawing PHI-S76-60936, revision IR. Installed the ADS-B 1/FAIL Annunciator (part number 95-40-17-H1-E1BKK), per the PHI mechanical drawing PHI-S76-60937, revision A. Installed the ADS-B 2/FAIL Annunciator (part number 95-40-17-H1-E1BKL), per the PHI mechanical drawing PHI-S76-60938, revision A.
- Modified the wiring for the #1 Transponder System, per the PHI electrical drawing PHI-S76-13204, revision E. Modified the wiring for the #2 Transponder System, per the PHI electrical drawing PHI-S76-13205, revision E.
- Completed the configuration of the Dual Transponder Upgrade, as recorded on the Configuration Instructions, PHI document PHI-S76-CFG-0002, revision 2.
- Completed the checkout for the Dual Transponder Upgrade, as recorded on the Installation Check Out Procedure, PHI document PHI-S76-ICP-0002, revision 3.
- Rotorcraft Flight Manual Supplement, Pro Star Aviation document 21394-FMS-01, revision A, DER Approved on FAA Form 8110-3, dated 04-~~23~~-16, has been supplied to the operator, to insert into the existing Rotorcraft Flight Manual.
- For continued airworthiness of the Dual TDR-94D Transponder with ADS-B Out Upgrade, refer to the Instructions for Continued Airworthiness, PHI document PHI-S76-ICA-0005, revision B, supplied to the operator. Where the CTL-92E Controller is referenced in the ICA, refer to the existing aircraft maintenance documentation for the Collins RTU-4200 Radio Tuning Unit.
- No change to the electrical load for this rotorcraft.
- Refer to the updated Aircraft Computed Weight and Balance, and Aircraft Equipment List Supplement, dated 04-~~21~~-16, for further information reflecting this modification.
- The upgrade for the Dual TDR-94D Transponder with ADS-B Out System has been accomplished per the Master Drawing and Documents List, PHI document PHI-S76-DL-0015, revision B, in accordance with STC SR09641RC.
- Pertinent details of the above modifications are retained on work order 21394, on file at Pro Star Aviation.

----- END -----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757650

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244572

EFTA01329435



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SR09641RC

This certificate issued to: Rockwell Collins, Inc.
400 Collins Road NE, MS 164-100
Cedar Rapids, IA 52498

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 29 of the Federal Aviation Regulations.

Original Product - Type Certificate Number: H1NE

Make: Sikorsky Aircraft Corporation
Model: S-76C

Description of Type Design Change:

Installation of DO-260B compliant Mode S Transponder System with ADS-B Out capability in accordance with Master Document List, PHI-S76-DL-0015, Revision B, dated February 26, 2014, or later FAA approved revision. Rotorcraft Flight Manual Supplement, PHI-959-S76-TDR-001, Revision 0, dated March 13, 2014, or later FAA approved revision is required for this installation. Instructions for Continued Airworthiness, PHI-S76-ICA-0005, Revision A, dated February 21, 2014, or later revision is required.

Limitations and Conditions:

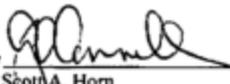
- 1) The installer must determine whether this design change is compatible with previously approved modifications.
- 2) A copy of this certificate must be maintained as part of the permanent records for the modified aircraft.
- 3) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

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: January 17, 2014
Date of issuance: March 21, 2014

Date reissued: July 15, 2014
Date amended:

By direction of the Administrator

Signature 
for Scott A. Horn

Title _____
Manager, Rotorcraft Certification Office,
Southwest Region

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)

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757652

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244574

EFTA01329437

PHI, INC.

ENGINEERING DEPARTMENT

MASTER DRAWING AND DOCUMENTS LIST

NO. PHI-S76-DL-0015

FOR INSTALLATION OF
SINGLE OR DUAL ROCKWELL COLLINS
TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S)
IN A
SIKORSKY AIRCRAFT CORPORATION
S-76C HELICOPTER

Revision (B)
02/26/2014

Prepared By: Ryan Guillot

PHI Engineering, Electrical Approval: Michael D. Beltracchi

PHI Engineering, Structural Approval: Erich Hopkins

Project Management Approval: Erich Hopkins

SDNY_GM_02757654

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244576

EFTA01329439

SDNY_GM_02757656

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244578

EFTA01329441

ELECTRICAL INSTALLATION DESCRIPTIVE DATA

DOCUMENT	TITLE / SUMMARY	REVISION	DATE
PHI-S76-13204	NO. 1 TRANSPONDER SYSTEM, ROCKWELL COLLINS TDR-94D/CTL-92E WITH EXTENDED SQUITTER (ADS-B)	E	02/20/14
PHI-S76-13205	NO. 2 TRANSPONDER SYSTEM, ROCKWELL COLLINS TDR-94D/CTL-92E WITH EXTENDED SQUITTER (ADS-B)	E	02/20/14
PHI-S76-13081	ELECTRICAL ROUTING - NO. 1 TRANSPONDER SYSTEM, ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B)	IR	02/11/14
PHI-S76-13082	ELECTRICAL ROUTING - NO. 2 TRANSPONDER SYSTEM, ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B)	IR	02/11/14

STRUCTURAL AND MECHANICAL INSTALLATION DESCRIPTIVE DATA

PHI-S76-60935	TOP DRAWING - SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION S-76C HELICOPTER	IR	01/20/14
PHI-S76-60936	INSTALLATION - SINGLE OR DUAL ROCKWELL COLLINS TDR-94D TRANSPONDER(S)	IR	02/10/14
PHI-S76-60937	INSTALLATION - ANNUNCIATOR, NO. 1 TRANSPONDER	A	02/20/14
PHI-S76-60938	INSTALLATION - ANNUNCIATOR, NO. 2 TRANSPONDER	A	02/20/14
PHI-S76-60939	INSTALLATION - RELAY MOUNT, NO. 1 TRANSPONDER	IR	01/20/14
PHI-S76-60940	INSTALLATION - RELAY MOUNT, NO. 2 TRANSPONDER	IR	01/20/14
PHI-S76-60941	INSTALLATION - TRANSPONDER CONTROL (CTL-92E)	IR	01/20/14
PHI-S76-60942	INSTALLATION - NO. 1 TRANSPONDER ANTENNA (TOP) STA. 143.67, LBL 27.00, WL. 119.82	IR	02/10/14
PHI-S76-60943	INSTALLATION - NO. 2 TRANSPONDER ANTENNA (TOP) STA. 143.67, RBL 27.00, WL. 119.82	IR	02/10/14

SDNY_GM_02757658

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244580

EFTA01329443

PHI-S76-60944	INSTALLATION - NO. 1 TRANSPONDER ANTENNA (BOTTOM) STA. 140.00, LBL. 14.50, WL. 49.00	IR	02/10/14
PHI-S76-60945	INSTALLATION - NO. 2 TRANSPONDER ANTENNA (BOTTOM) STA. 126.00, LBL. 14.50, WL. 49.00	IR	02/10/14
PHI-050-60913	TANDEM ADAPTER ASSY - 4.500" MOUNTING HOLE SPACING, 3.990" INSIDE HEIGHT DIMENSION	IR	01/20/14
PHI-050-60947	MANUFACTURE - ANTENNA COVER PLATE, SIX HOLE BASE CONFIGURATION, DMNI50 SERIES ANTENNA	IR	01/20/14
PHI-050-60948	ASSEMBLY - ANTENNA RETAINER, SIX HOLE BASE CONFIGURATION, DMNI50 SERIES ANTENNA	IR	02/10/14

INSTALLATION & CONFIGURATION INSTRUCTIONS

PHI-S76-CFG-0002	CONFIGURATION INSTRUCTIONS FOR SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION S76C HELICOPTER	2	02/19/14
PHI-S76-II-0003	INSTALLATION INSTRUCTIONS FOR SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION S-76C HELICOPTER	2	02/19/14

SUBSTANTIATION DATA

PHI-S76-FHA-0006	INSTALLATION SYSTEM SAFETY ASSESSMENT FOR INSTALLATION OF SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION S-76C HELICOPTER	1	02/19/14
PHI-S76-SA-0019	STRUCTURAL ANALYSIS REPORT FOR INSTALLATION OF SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION MODEL S-76C HELICOPTER	B	02/21/14
PHI-S76-BT-0008	FLAMMABILITY TEST PLAN FOR INSTALLATION OF ADDED MATERIALS (ELECTRICAL WIRE AND COAXIAL CABLE) IN A SIKORSKY AIRCRAFT CORPORATION S-76C HELICOPTER	IR	01/16/14

SDNY_GM_02757660

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244582

EFTA01329445

PHI-S76-BTR-0001	FLAMMABILITY TEST RESULTS FOR TESTING PERFORMED IN ACCORDANCE WITH PHI FLAMMABILITY TEST PLAN DOCUMENT PHI-S76-BT-0008 (ELECTRICAL WIRE AND COAXIAL CABLE)	IR	02/19/14
PHI-S92-BT-0004	FLAMMABILITY TEST PLAN FOR INSTALLATION OF ADDED MATERIALS (ELECTRICAL WIRE AND ASSOCIATED ELECTRICAL COMPONENTS) IN A SIKORSKY AIRCRAFT CORPORATION S-92A HELICOPTER	A	07/07/13
PHI-S92-BTR-0003	FLAMMABILITY TEST RESULTS FOR TESTING PERFORMED IN ACCORDANCE WITH FLAMMABILITY TEST PLAN PHI-S92-BT-0004 (ELECTRICAL WIRE AND ASSOCIATED ELECTRICAL COMPONENTS)	IR	07/23/13
PHI-S76C-SLA-760730	SUPPLEMENTAL ELECTRICAL LOAD ANALYSIS FOR SIKORSKY MODEL S76C++ N772P S/N 760730	IR	01/14/14
PHI-S76-TP-0028	EMI/RFI GROUND TEST PLAN FOR INSTALLATION OF SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION S-76C HELICOPTER	2	02/15/14
PHI-S76-TR-0028	EMI/RFI GROUND TEST REPORT FOR INSTALLATION OF SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION S-76C HELICOPTER	1	02/20/14
PHI-S76-FTP-0005	IN-FLIGHT EMI/RFI AND ADS-B FLIGHT TEST PLAN FOR INSTALLATION OF SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION S-76C HELICOPTER	1	02/16/14
PHI-S76-FTR-0005	IN-FLIGHT EMI/RFI AND ADS-B FLIGHT TEST REPORT FOR INSTALLATION OF SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION S-76C HELICOPTER	IR	02/26/14

OPERATIONAL & CONTINUED AIRWORTHINESS DATA

PHI-S76-ICP-0002	INSTALLATION CHECK OUT PROCEDURE FOR SINGLE OR DUAL ROCKWELL COLLINS TDR-94D ATC/MODE-S (ADS-B) TRANSPONDER(S) IN A SIKORSKY AIRCRAFT CORPORATION S-76C HELICOPTER	3	02/19/14
------------------	--	---	----------

SDNY_GM_02757662

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244584

EFTA01329447

COMPLIANCE DATA

AC345289011	CERTIFICATION PROGRAM PLAN, AUTOMATIC DEPENDENT SURVEILLANCE-BROADCAST (ADS-B) SYSTEM	B	02/25/14
AI345289011	WIRING COMPLIANCE INSPECTION REPORT, MODE S TRANSPONDER SYSTEM	A	02/16/14

REFERENCE DATA

SIKORSKY AIRCRAFT CORPORATION

SER-761924	ELECTRICAL LOAD ANALYSIS FOR BASELINE S76 C++ AIRCRAFT, SERIAL NUMBERS 641 AND SUBS	--	05/15/07
------------	---	----	----------

ROCKWELL COLLINS

523-0821779	AUTOMATIC DEPENDENT SURVEILLANCE BROADCAST (ADS-B) OUT INSTALLATION GUIDE	0	05/07/13
523-0821492	TDR-94/94D ATC/MODE-S TRANSPONDER SYSTEM (-5XX) INSTALLATION MANUAL	0	05/01/13
946-4833-115	SUPPLEMENTAL MOPS & ROBUSTNESS TEST PROCEDURES AND RESULTS FOR TDR-94 ADS-B OUT	-	01/17/14

UNIVERSAL AVIONICS SYSTEMS CORPORATION

SERVICE LETTER NO. 2847	WAAS/SBAS FLIGHT MANAGEMENT SYSTEMS COMPLIANCE WITH AC 20-165A	C	10/10/13
-------------------------	--	---	----------

SDNY_GM_02757664

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244586

EFTA01329449



5 INDUSTRIAL DRIVE
LONDONDERRY, NH 03053
FAA CRS# P6UR006Y

FAA APPROVED
ROTORCRAFT FLIGHT MANUAL SUPPLEMENT
SIKORSKY
MODEL S-76C
EQUIPPED WITH IIDS AND 2S2 ENGINES
FOR
Installation of dual TDR-94D ATC/MODE-S/ADS-B
Transponders
Reg. No. N722JE Serial No. 760750

This supplement must be attached to the FAA Approved Sikorsky S-76C Flight Manual when dual Rockwell Collins TDR-94D ATC/MODE-S/ADS-B Transponders are installed in accordance with FAA Form 337 dated 04-27-16.

The information contained herein supplements the basic Rotorcraft Flight Manual only in those areas listed herein. For Limitations, Procedures, and Performance information not contained in this Supplement; consult the basic Rotorcraft Flight Manual.

This document and all information and expression contained herein are the property of Pro Star Aviation, and is provided to the recipient in confidence on a "need to know" basis. Your use of this document is strictly limited to a legitimate business purpose requiring the information contained herein. Your use of this document constitutes acceptance of these terms.

FAA APPROVED: Refer To Page iii

FAA APPROVED DATE: APR/27/2016

Document Number 21394-FMS-01
Revision A
Page i

SDNY_GM_02757665

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244587

EFTA01329450

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757666

EFTA_00244588

EFTA01329451

Sheet Intentionally Left Blank

SDNY_GM_02757668

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244590

EFTA01329453

Pro Star Aviation, LLC.
Londonderry, NH 03053

Part 1
FAA Approved Rotorcraft Flight Manual Supplement
Installation of dual TDR-94D ATC/MODE-S/ADS-B Transponders
Sikorsky S-76C

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				1. DATE
STATEMENT OF COMPLIANCE WITH AIRWORTHINESS STANDARDS				APR/27/2016
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION				
2. MAKE	3. MODEL NO.	4. TYPE (Aircraft, Engine, Propeller, etc.)	5. NAME OF APPLICANT	
Sikorsky	S-76C	Rotorcraft	Pro Star Aviation	
LIST OF DATA				
6. IDENTIFICATION		7. TITLE		
Pro Star Aviation Document 21394-FMS-01 Revision A		FAA Approved Rotorcraft Flight Manual Supplement For Sikorsky Aircraft Corporation Aircraft Model S-76C Aircraft Equipped with IIDS and 2S2 Engines For Installation of dual TDR-94D ATC/MODE-S/ADS-B Transponders The approval of this Airplane Flight Manual Supplement is valid for Sikorsky Aircraft Corporation S-76C, serial number 760750 only		
8. PURPOSE OF DATA				
In support of a Major Alteration on S76C serial number 760750				
9. APPLICABLE REQUIREMENTS (List specific sections)				
14CFR Part 29; §29.1501(a)(b)(c) [Amdt 29-0]; §29.1581(a)(b) [Amdt 29-0] ; §29.1583(e) [Amdt 29-3]; 29.1585(a) [Amdt 29-2]				
10. CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under 14 CFR Part 183, data listed above and on attached sheets numbered _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Airworthiness Standards listed.				
<input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data				
I (We) Therefore				
11. SIGNATURE(S) OF DESIGNATED ENGINEERING		12. DESIGNATION NUMBER(S)	13. CLASSIFICATION(S)	
 Mark D. Haycock		DERT-500112-CE	Flight Analyst	

FAA Form 8110-3 (03/10) SUPERSEDES PREVIOUS EDITION

ELECTRONIC FORMAT (4-11)

FAA APPROVED DATE: APR/27/2016

Document Number 21394-FMS-01
Revision A
Page iii

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757669

EFTA_00244591

EFTA01329454



SDNY_GM_02757670

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244592

EFTA01329455

**PART 1
LOG OF REVISIONS**

Revision	Date
Original (IR).....	01/06/2016
A.....	04/27/2016

LOG OF PAGES

Page	Revision	Page	Revision
i	A	3-1	A
ii	A	3-2	A
iii	A	3-3	A
iv	A	3-4	A
v	A	4-1	A
vi	A	4-2	A
1-1	A		
1-2	A		
2-1	A		
2-2	A		

APPROVED: Refer to Page iii

NOTE: Revised text indicated by a black vertical line. Insert latest revision pages; dispose of superseded pages.

SDNY_GM_02757672

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244594

EFTA01329457

TABLE OF CONTENTS

FAA FORM 8110-3	iii
LOG OF REVISIONS	iv
TABLE OF CONTENTS	v
INTRODUCTION	vi
SECTION I OPERATING LIMITATIONS	1-1
SECTION II NORMAL PROCEDURES S-76C++	2-1
SECTION III EMERGENCY PROCEDURES	3-1
SECTION IV PERFORMANCE DATA	4-1

SDNY_GM_02757674

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244596

EFTA01329459

INTRODUCTION

GENERAL

This Rotorcraft Flight Manual Supplement describes dual TDR-94D ATC/Mode-S/ADS-B transponder(s) with dual RTU-4200. The RTU-4200 is capable of providing Flight ID information to the Mode S transponder system(s) for ADS-B operations.

The Rockwell Collins TDR-94D ATC/Mode-S Transponder System with ADS-B Out meets the equipment requirements of 14 CFR 91.227.

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757676

EFTA_00244598

EFTA01329461

SECTION I

OPERATING LIMITATIONS

This RFMS is only applicable to S-76C++ s/n 760750 equipped with IIDS.

TYPES OF OPERATIONS

ADS-B OPERATIONS

The following equipment must be operational for ADS-B coverage:

1. One Universal Avionics Systems Corporation UNS-1Fw Flight Management System.
2. One Air Data Computer (ADC).
3. One Rockwell Collins TDR-94D ATC/Mode-S/ADS-B transponder.
4. One Radio Tuning Units (RTU-4200).
5. One Attitude Heading and Reference System (AHRS).

If the No. 1 ADC fails, activate the No. 2 transponder. If the No. 2 ADC fails, activate the No. 1 transponder.



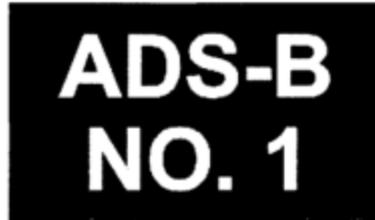
SDNY_GM_02757678

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244600

EFTA01329463

PLACARDS



1. PHI P/N **PHID-1913**, located on the instrument panel left, right, above, or below the ADS-B 1 FAIL annunciator (for the No. 1 transponder).



2. PHI P/N **PHID-1914**, located on the instrument panel left, right, above, or below the ADS-B 2 FAIL annunciator (for the No. 2 transponder).

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757680

EFTA_00244602

EFTA01329465

SECTION II
NORMAL PROCEDURES
S-76C++

BEFORE STARTING ENGINES

20. IIDS:

- d. IIDS – Press to test all three displays. Observe parameter slewing, test results, and illumination of these auxiliary warning lights:

Master Warning Panels
Engine control lights, press to dim
Landing gear unlock
Fire extinguisher test
Float panel test (if installed)
OEI TRNG light
ADS-B 1 FAIL Annunciator
ADS-B 2 FAIL Annunciator

NOTE

Newly displayed fault information resulting from press to test should be noted and referred for maintenance action, but system performance will not be affected.

If using battery power, depressing the copilots display test button will not illuminate the auxiliary warning lights.



SDNY_GM_02757682

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244604

EFTA01329467

STARTING ENGINES BATTERY OR EXTERNAL POWER

27. Avionics – As desired.

- a. Transponder (RTU-4200) – **ON**.
- b. ATC FLIGHT ID(s) – Verify correct.
- c. ADS-B 1 FAIL Annunciator – Verify ADS-B 1 FAIL annunciator is extinguished.
- d. ADS-B 2 FAIL Annunciator – Verify ADS-B 2 FAIL annunciator is extinguished.

SDNY_GM_02757684

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244606

EFTA01329469

SECTION III EMERGENCY PROCEDURES

DAFCS MALFUNCTIONS

AIR DATA FAILURE

All flight director pitch modes including go-around will be inoperative and the autopilots will assume a fixed value of 110 knots. The VEL HOLD mode and low speed heading hold with yaw will be inoperative.

SINGLE AIR DATA COMPUTER (ADC) FAILURE

No indication of Airspeed, Altitude, and Vertical Velocity on EADI and EHSI on one side of cockpit.

Failures of SG, ATT, HDG, and ADC can be handled by reversion to alternate sources. Refer to the EDZ-756 EFIS Pilot's Manual for specific procedures.

NOTE

To maintain transponder operational coverage, the transponder must receive ADC information. The No. 1 transponder receives data from the No.1 ADC. The No.2 transponder, receives data from the No. 2 ADC.

NOTE

The ADS-B 1 FAIL and ADS-B 2 FAIL Annunciators only indicate loss of GPS position information for the transponders and will not illuminate with an ADC failure.

SDNY_GM_02757686
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244608

EFTA01329471

1. If No.1 ADC fails activate the No.2 transponder.
2. If No.2 ADC fails, activate the No.1 transponder.
3. Attain VMC if possible.
4. If VMC is not available, land as soon as practicable.

DUAL AIR DATA COMPUTER FAILURE

No indication of Airspeed, Altitude, and Vertical Velocity on any EADIs and EHSIs.

NOTE

After a dual ADC failure, the standby altimeter and airspeed indicators must be used for altitude and airspeed information.

1. Attain VMC as soon as possible.
2. Land as soon as practicable.

SDNY_GM_02757688

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

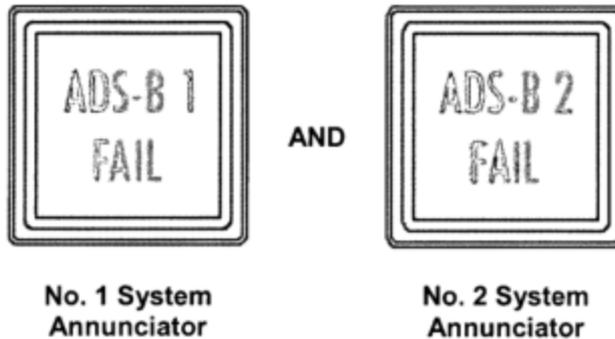
EFTA_00244610

EFTA01329473

FMS FAILURE

Loss of navigational data from failed FMS.

ADS-B FAIL Annunciator Result:



1. Select alternate navigation sources.

NOTE

With the failure of the FMS, ADS-B coverage is no longer possible due to loss of the GPS signal. Both the ADS-B 1 FAIL annunciator and the ADS-B 2 FAIL annunciator will illuminate.

TRANSPONDER FAILURE

For failure of the active transponder, the RTU-4200 Radio Tuning Unit will annunciate **XPDR FAIL** in yellow on the ATC top level sub display and the ATC main display page and the associated ADS-B FAIL annunciator, ADS-B 1 FAIL or ADS-B 2 FAIL, will illuminate.

If the ADS-B () FAIL light(s) illuminate, determine whether the failure is a loss of ADS-B function or a loss of the ADS-B system (transponder).

SDNY_GM_02757690

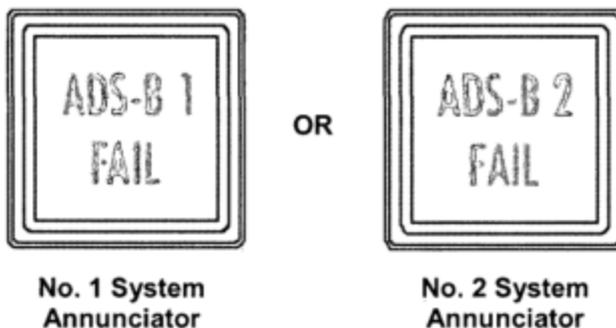
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244612

EFTA01329475

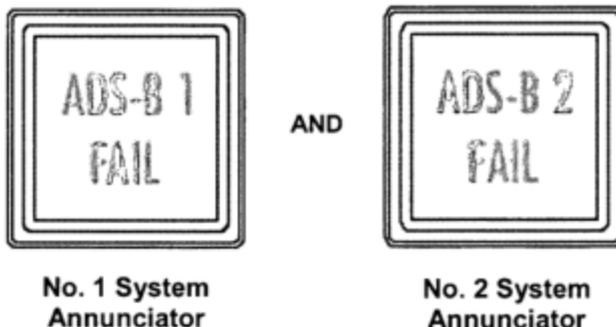
1. Dual TDR-94D Transponder Installation

- Failure of one transponder system
 - ADS-B FAIL annunciator result:



- If only one ADS-B () FAIL illuminates, confirm XPDR FAIL on RTU
 - Select the alternate transponder by pressing the ATC1/ ATC2 line select on the ATC page of the RTU.
 - Confirm selected transponder operates normally
- Failure of both transponder systems

- ADS-B FAIL annunciator result:



- If both ADS-B FAIL lights illuminate, GPS position information to the transponder has failed Advise ATC that ADS-B transmissions have failed.
- If navigating using the UNS-1Fw, verify the navigation information is still valid or use a different navigation source

|

SDNY_GM_02757692

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244614

EFTA01329477

SECTION IV PERFORMANCE DATA

No Change.

SDNY_GM_02757694

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244616

EFTA01329479

Pro Star Aviation, LLC.
Londonderry, NH 03053

Part 1, Section IV
FAA Approved Rotorcraft Flight Manual Supplement
Installation of dual TDR-94D ATC/MODE-S/ADS-B Transponders
Sikorsky S-76C

Sheet Intentionally Left Blank

FAA APPROVED DATE: APR/27/2016

Document Number 21394-FMS-01
Revision A
Page 4-2

SDNY_GM_02757695

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244617

EFTA01329480

SDNY_GM_02757696

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244618

EFTA01329481

ROTORCRAFT FLIGHT MANUAL SUPPLEMENT

FOR

SIKORSKY

MODEL S-76C

AIRCRAFT EQUIPPED

WITH IIDS AND 2S2 ENGINES

PART 2

MANUFACTURER'S DATA (MD)

FOR

INSTALLATION OF DUAL TDR-94D ATC/MODE-

S/ADS-B TRANSPONDER(S)

Document Number 21394-FMS-01
Revision A
Page MD-i

SDNY_GM_02757697

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244619

EFTA01329482

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757698

EFTA_00244620

EFTA01329483

**PART 2
LOG OF REVISIONS**

Revision	Date
Original (IR).....	01/06/2016
A.....	04/27/2016

LOG OF PAGES

Page	Revision
MD-i	A
MD-ii	A
MD-1	A
MD-2	A
MD-3	A
MD-4	A
MD-5	A
MD-6	A
MD-7	A

NOTE: Revised text indicated by a black vertical line.
Insert latest revision pages; dispose of superseded pages.

Document Number 21394-FMS-01
Revision A
Page MD-ii

SDNY_GM_02757699

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757700

EFTA_00244622

EFTA01329485

SECTION I

SYSTEM DESCRIPTION

SPZ-7600 DIGITAL AUTOMATIC FLIGHT CONTROL SYSTEM (DAFCS)

AIR DATA

Air Data

Computer Two P&G air data computers, as part of the SPZ-7600 system, are installed. Each supplies its respective FZ-706 with altitude and airspeed data. This data is used not only for pitch flight director modes (IAS, VS, GS, ALT, PRE, DECEL, and GA) but also autopilot gain programming, AOG, heading hold switching and transponder functions.

Loss of air data valid to its own FZ-706 will cause the pitch and collective flight director command bars to bias from view but the selected modes will remain engaged. Additionally, regardless of which sensor failed, the autopilot(s) will assume a fixed value of 110 knots causing the VEL HLD mode and low speed (yaw) heading hold to be inoperative.

The No. 1 transponder receives altitude information from the No. 1 (Copilot) ADC and the No. 2 transponder receives altitude information from the No. 2 (Pilot) ADC. Pressing the **ATC1/ATC2** line select on the RTU-4200, selects No. 1 or No. 2 transponder, placing the unselected transponder in standby mode. The active transponder (ATC1 or ATC2), is shown in cyan and in large letters on the ATC main display page.

SDNY_GM_02757702

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244624

EFTA01329487

TDR 94D-551 TRANSPONDER

Dual TDR-94D ATC/Mode-S/ADS-B transponders have been installed to allow the aircraft to gain Automatic Dependent Surveillance-Broadcast (ADS-B) coverage. The TDR-94D encompasses Mode-A, Mode-C, Mode-S, Elementary Surveillance (ELS), Enhanced Surveillance (EHS), and Automatic Dependent Surveillance Broadcast transmissions (ADS-B OUT). The TDR-94D transponders are diversity type transponders capable of transmitting and receiving on either of two antennas.

The ADS-B system must be enabled (turned ON) during all phases of flight operation including airport surface movement operations. ADS-B IN surface applications and ATC surface surveillance will use ADS-B broadcasts, thus it is important for aircraft ADS-B OUT systems to continue to transmit on the airport surface.

It is not possible to turn off the transmission of ADS-B information without turning off the transponder; if the transponder(s) are turned off, all of the corresponding limitations to operating without a transponder apply.

To meet the requirements of ADS-B, each TDR-94D transponder requires information from the following:

- One Air Data Computer (ADC) [barometric altitude],
- One Attitude Heading and Reference System (AHRS) [ground heading information], and
- One Flight Management System (FMS) [GPS position data].

SDNY_GM_02757704

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244626

EFTA01329489

With the dual transponder installation, any single failure of the ADC, RTU-4200, AHRS, or transponder will not result in a loss of ADS-B coverage. Each transponder receives altitude information from its respective ADC sensor.

As with any dual transponder system, only one transponder is active at any one time. When dual transponders are installed, one transponder is automatically placed in standby mode. The RTU-4200 has provisions for entering FLT ID information to the transponder system(s) for ADS-B operations. The RTU-4200 can be used to control either transponder and to enter FLT ID information.

Interrogation is not required for the ADS-B function of the TDR-94D transponder. The active TDR-94D transponder transmits the ADS-B information approximately once every second.

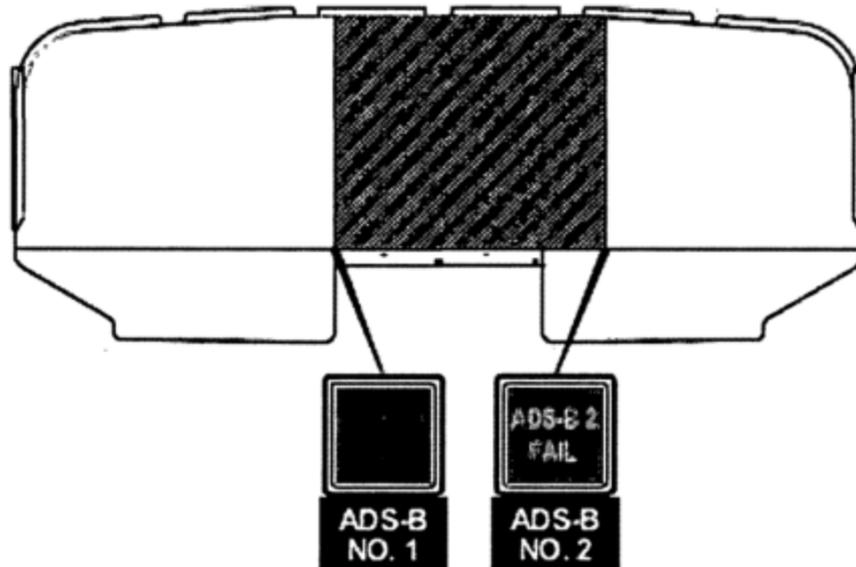
An annunciator for each TDR-94D transponder has been added to notify the crew when the transponder fails to transmit ADS-B position information. On the ADS-B 1 FAIL and the ADS-B 2 FAIL annunciators, text illuminates in an amber color indicating an ADS-B function failure. Both the No. 1 TDR-94D Transponder "ADS-B 1 FAIL" annunciator and the No. 2 TDR-94D Transponder "ADS-B 2 FAIL" annunciator are controlled by the annunciator dimmer switch (located in the upper left quadrant of the instrument panel center section). Transponder equipment failures are displayed on the RTU-4200.

SDNY_GM_02757706

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244628

EFTA01329491



ADS-B 1 FAIL and ADS-B 2 FAIL Annunciators

Shown is a dual transponder installation. The ADS-B 2 FAIL annunciator is shown with illuminated amber text as an example of indicating ADS-B function failure.

Heading Information

ADS-B requires aircraft heading information for ground control purposes. Heading information is only transmitted via the ADS-B function when the aircraft is on the ground. The transponders receive this heading information from the Attitude Heading and Reference System (AHRS). The number 1 transponder receives heading information from the number 1 AHRS and the number 2 transponder receives heading information from the number 2 AHRS.

SDNY_GM_02757708
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244630

EFTA01329493

RTU-4200 Radio Tuning Unit

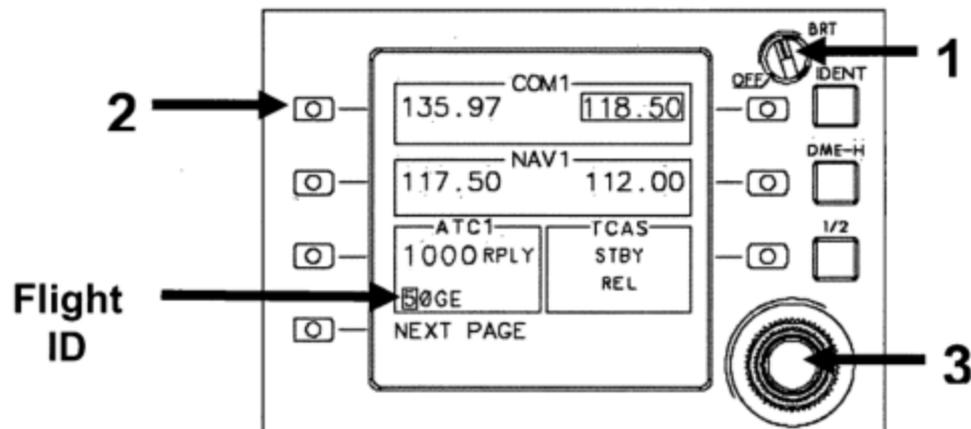
Introduction

The Radio Tuning Unit provides centralized control and display of the TDR-94D. The centralized control includes the setting of radio frequencies/channels and modes as well as the optional control of radio volume. The RTU provides single point control of both onside and cross-side radios from either pilot's or copilot's cockpit positions. The RTU has the capability of providing Flight ID.

Displays

The RTU display structure is made up of three tiers: the top level displays, the main display pages, and the preset pages. Two error pages also exist that can be shown from any level: the Cross-Side Radio Tuning Inoperative page and the Configuration Error page. An HSI page may or may not be present, depending on the installation. If present, the HSI page is accessible from the top level displays.

RTU Controls



SDNY_GM_02757710

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244632

EFTA01329495

On/Off Reversion Switch (1)

An RTU On/Off switch may or may not be present, depending on the installation. If present, the on/off switch is incorporated into the brightness knob. Turn the brightness knob clockwise past the detent to select on, and counter clockwise past the detent to select off.

Brightness Knob (1)

In installations where the RTU brightness is controlled by an aircraft master brightness control, the RTU brightness knob is used in conjunction with the aircraft master brightness control. To adjust the RTU brightness, turn the RTU's brightness knob to the middle position, then adjust the airplane's master dimming control to set the desired brightness level. If the RTU's brightness level differs greatly from other display brightness levels for any given aircraft master brightness control position, adjust the RTU brightness knob to attain an equal brightness level. If the RTU's brightness knob is adjusted counterclockwise from the middle of the adjustment range, the RTU display will not reach full bright when the airplane's master brightness control is adjusted to full bright. In installations where an aircraft master brightness control is not included, adjust the RTU brightness knob to set the desired brightness level.

Line Selects (2)

The RTU has seven panel mounted line selects adjacent to the display. The line selects are used to select control of individual radio frequencies, presets, codes, and modes. The tune window is shown around the value selected for control.

Tuning Knobs (3)

The tuning knobs are used to set the value shown in the tune window. When a frequency, code, or mode is shown in the tune window, the large tuning knob controls the most significant digits, and the small tuning knob controls the least significant digits.

Tune Window

The tune window surrounds the frequency, preset, or code selected for control. Operation of the tuning knobs change the value shown in the tune window. The default position for the tune window is around the COM recall (top-right) frequency on the top level page.

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757712

EFTA_00244634

EFTA01329497

IDENT Function Key

Push the **IDENT** function key to transmit an ATC identification pulse. When the **IDENT** feature is active, **ID** is annunciated in cyan on the ATC sub display and on the ATC main display page.

DME-H (hold) Function Key

Push the **DME-H** function key to hold the currently tuned DME frequency. When DME hold is active, the DME hold frequency is shown in green followed by a yellow **H** on the top level page, NAV main display page and preset page.

Inputting Flight ID

The Flight ID displayed on the Top Level page can be changed by pressing the ATC line select key until a box appears on the left Flight ID character. The Top Level page displays the active Flight ID.

When activated, Flight ID is displayed on the RTU's Top Level and ATC Transponder Main pages. All eight characters comprising the entire Flight ID are displayed. The Flight ID can be changed from either the Top Level or ATC Transponder Main pages. Upon power-up of the RTU the previously stored Flight ID will be retrieved from NVM. A new unit from the factory or a unit serviced from a repair facility will default on power-up to all zero characters. This display indicates an entry for Flight ID is required. The cursor on the Flight ID page will be represented as a box. The boxed character is the only character on the page that can be altered. The large and small tune knobs are used to change the Flight ID.

Setting The Transponder Code

The ATC transponder code may be set directly by pushing the ATC line select key to position the tune window around the ATC code and setting with the tuning knobs, or it may be swapped with the code in the recall (right side) display. The ATC code range is 0000-7777.

More information on the RTU-4200 can be found in the Collins RTU-4200/4210/4220 Radio Tuning Unit Pilot's Guide.

SDNY_GM_02757714

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244636

EFTA01329499



PHI, INC.

ENGINEERING DEPARTMENT

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

FOR

INSTALLATION OF
SINGLE OR DUAL ROCKWELL COLLINS TDR-94D
ATC/MODE-S (ADS-B) TRANSPONDER(S)

IN A

SIKORSKY AIRCRAFT CORPORATION
MODEL S-76 HELICOPTER

DOCUMENT NUMBER

PHI-S76-ICA-0005

Initial Release

February 4, 2014

Revision B

June 5, 2014

Prepared By:	Darwin Deel	Date:	February 4, 2014
Revised By:	Darwin Deel	Date:	June 5, 2014
Checked By:	<i>[Signature]</i>	Date:	6/10/14
Engineering Review:	<i>[Signature]</i>	Date:	6/10/14
Maintenance Review:	<i>[Signature]</i>	Date:	6/10/14
QA Review:	<i>[Signature]</i>	Date:	6/10/14

SDNY_GM_02757715

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244637

EFTA01329500

SDNY_GM_02757716

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244638

EFTA01329501

Revisions

Revision	Date	Description	Pages Affected	PHI Approval
IR	2/4/2014	Initial Release	All	D. DEEL
A	2/21/2014	Changed revision level and signatures on title page,	title page	D. DEEL
		Updated Revisions,	ii	
		Updated List Of Effective Pages,	iii	
		Revised Table of Contents,	iv	
		Clarified distribution format of revisions to this document,	2	
		Added single TDR-94D control, changed annunciator label,	4	
		Removed time date from description of aircraft sensors,	5	
		Changed annunciator label,	7	
		Revised step 12 of FMS configuration,	10	
		Revised steps 27 and 43 of Paragraph 2.5.5,	16	
		Corrected NACv values,	17	
		Corrected ADS-B annunciator functionality,	18	
		Revised part numbers for annunciator cap,	A4	
		Changed annunciator label,	A8	
		Revised part numbers for annunciator cap,	A9	
		Changed annunciator label,	A13	
		Revised part numbers for annunciator assembly and cap,	B2, B3	
		Revised Notes 1.(4), 10.(1,2,3) and 24, deleted notes 12 & 13,	B4	
		Made wiring changes to transponder system 1,	B5	
		Added terminal block 2CCDC1 and pin callout,	B7	
Removed time mark wires,	B8			
Changed coax cable routing and added terminal block,	B9			
Revised part numbers for annunciator assembly and cap,	B10, B11			
Revised Notes 4.(2), and 23, deleted notes 18 & 22,	B12			
Made wiring changes to transponder system 2,	B13			
Added terminal block 2CCSH1 and pin callout,	B15			
Removed time mark wires, and	B16			
Changed coax cable routing and added terminal block.	B17			
B	6/5/2014	Updated to reflect Revision B	Title Page, ii, iii, iv	D. DEEL
		Corrected Steps 9 and 12 in Paragraph 2.5.4 TDR-94D Mode S Testing	13	
		Corrected Steps 25, 28, and 84 in Paragraph 2.5.5 TDR-94D ADS-B Testing	16, 18	
		Adjusted pagination due to revision; no content changes occurred	12, 14, 15, 17, 19, 20	

SDNY_GM_02757718

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244640

EFTA01329503

SDNY_GM_02757720

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244642

EFTA01329505

Table of Contents

Title Page.....	i
Revisions.....	ii
List of Effective Pages.....	iii
Table of Contents.....	iv
1.0 INTRODUCTION.....	1
1.1 PURPOSE.....	1
1.2 SCOPE.....	1
1.3 DEFINITIONS.....	1
1.4 ACRONYMS.....	1
1.5 DISTRIBUTION.....	2
2.0 MAINTENANCE PROCEDURES.....	3
2.1 DESCRIPTION, CONTROL, AND OPERATIONAL INFORMATION.....	3
2.2 COMPONENT REMOVAL AND INSTALLATION INSTRUCTIONS.....	5
2.3 UNS-IFW FMS CONFIGURATION.....	8
2.4 INSPECTIONS.....	11
2.5 FUNCTIONAL TESTS AND TROUBLESHOOTING.....	11
2.6 DECALS AND PLACARDS.....	19
3.0 SERVICING INFORMATION.....	19
4.0 AIRWORTHINESS LIMITATIONS.....	20
5.0 COMPONENT OVERHAUL.....	20
6.0 GENERAL MAINTENANCE INFORMATION AND STANDARD PRACTICES.....	20
6.1 WEIGHT AND BALANCE REQUIREMENTS.....	20
6.2 CONSUMABLE MATERIALS.....	21
6.3 TORQUE INFORMATION.....	21
APPENDIX A.	
MECHANICAL INSTALLATION INFORMATION.....	A1
APPENDIX B.	
ELECTRICAL INSTALLATION INFORMATION.....	B1

SDNY_GM_02757722

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244644

EFTA01329507

1.0 INTRODUCTION

1.1 Purpose

The purpose of this document is to meet the requirements of 14 CFR Paragraph 29.1529 and Appendix A of Part 29 by providing instructions for continued airworthiness for the single or dual installation of Rockwell Collins TDR-94D ATC/Mode S transponder(s) with the capabilities of transmitting ADS-B information, in a Sikorsky Aircraft Corporation S-76C rotorcraft.

Note: It is recommended that all supplemental maintenance manuals as well as vendor maintenance/operator manuals remain accessible during maintenance periods.

The ability of maintenance personnel is recognized and those procedures that are considered common to all aircraft have been either briefly referenced or omitted; however, prior to performing any procedure, ensure that all instructions have been thoroughly read and completely understood.

1.2 Scope

The scope of this document is limited to the installation of a single or dual Rockwell Collins TDR-94D(s) with ADS-B extended squitter and the installation of a single Rockwell Collins CTL-92E transponder control when performed in accordance with drawing list PHI-S76-DL-0015. This ICA is intended to provide maintenance information to supplement the maintenance information in the Sikorsky S-76 maintenance manuals to maintain the dual Rockwell Collins TDR-94D transponder(s) and the CTL-92 transponder control, in an airworthy condition.

1.3 Definitions

Note Is an information item. It adds emphasis to a procedural step.

Caution Points out an operating procedure, practice, or condition that, if not correctly followed, could result in damage to or destruction of equipment.

Warning May be a maintenance procedure, practice, condition, etc., which could result in destruction of equipment, personal injury, or loss of life.

1.4 Acronyms

ADC Air Data Computer
ADS-B Automatic Dependent Surveillance-Broadcast
AHRS Attitude Heading and Reference System
ATC Air Traffic Control
BDS ADS-B Register
C.G Center of Gravity
CDTI Cockpit Display of Traffic Information
DME Distance Measuring Equipment
FMC Flight Management Computer
FMS Flight Management System

SDNY_GM_02757724

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244646

EFTA01329509

HRD	Horizontal Reference Direction
ICA	Instructions for Continued Airworthiness
IIDS	Integrated Instrument Display System
IR	Initial Release
LSK	Line Select Key
MAX	Maximum
MFD	Multi-Function Display
MMMS	Multi-Mission Management System
MSG	Message
NAC	Navigation Accuracy Category
NACp	Navigation Accuracy Category for position
NIC	Navigation Integrity Category
PL	Places
RA	Resolution Advisory
SCN	Software Control Number
SIL	Surveillance Integrity Level
STBY	Standby
STC	Supplemental Type Certificate
TYP	Typical
UTC	Coordinated Universal Time (formerly GMT)
WAAS	Wide Area Augmentation System
WOW	Weight On Wheels
XTK	Crosstrack

1.5 Distribution

From time to time, it may be necessary to revise or update information contained in this ICA. Any revisions to this ICA will be distributed to the registered owner of the product. Even though revisions to the ICA will be distributed in a timely manner, it is ultimately the responsibility of the current user to ensure that he/she is using the most current information available. Additional copies of this ICA as well as revision status and updates may be obtained by contacting PHI, Inc. Revisions to this ICA may be distributed in a digital format via e-mail or mailed to the owner of the product in a digital format on a digital storage device (CD, thumb drive, etc.) or can be delivered as a printed paper copy. When revised pages are received, insertions should be logged on the Revision Status and the List of Effective Pages should be updated.

SDNY_GM_02757726

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244648

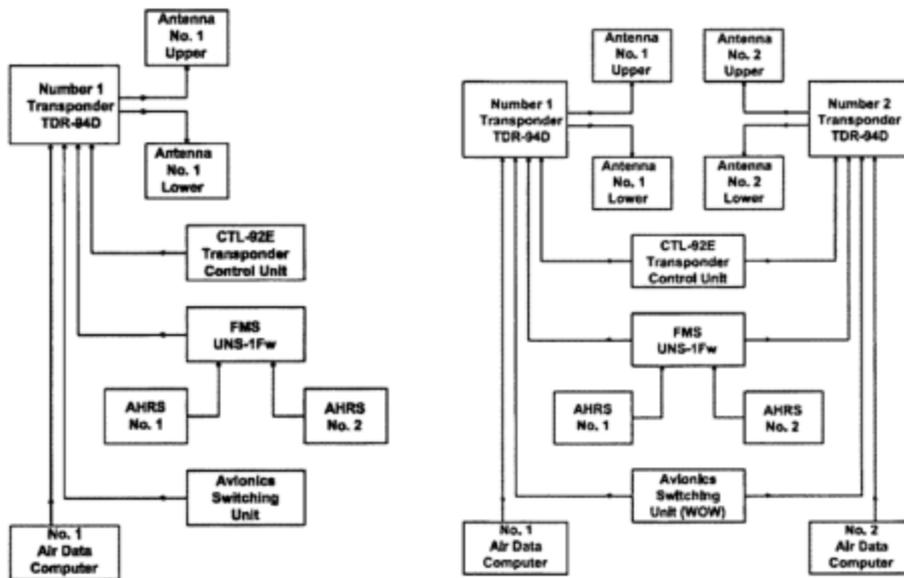
EFTA01329511

2.0 MAINTENANCE PROCEDURES

The following paragraphs detail supplemental maintenance procedures and inspection requirements for the single or dual Rockwell Collins TDR-94D Part Number 662-9210-550 transponders with ADS-B extended squitter installations in the Sikorsky S-76 aircraft. A single transponder installation consists of system 1 only; and a dual installation consists of system 1 and system 2. The maintenance information in this ICA is meant to supplement the maintenance information in the Sikorsky S-76C maintenance manuals. For mechanical installation information, see Appendix A; for electrical installation information, see Appendix B.

2.1 Description, Control, and Operational Information

System Block Diagrams



Single ADS-B Transponder with Single FMS

Dual ADS-B Transponders with Single FMS

TDR-94D ADS-B Transponder(s)

Single or dual Rockwell Collins TDR-94D ATC/Mode-S/ADS-B transponder(s) are installed to provide the capabilities of transmitting additional aircraft and flight information to ATC. The Rockwell Collins TDR-94D transponder(s) with ADS-B still operate as mode A, mode C, and mode S transponder(s); however, the transponder(s) are now capable of transmitting additional ADS-B flight following information. The transmitting of ADS-B information is automatic and transparent to the flight crew. When dual transponder systems are installed, each transponder system operates separately of each other and only one system can be operational at any one time. When one system is operational the other is in standby. The transponder system(s) (each) have two antennas, one located on the top of the aircraft and the other located on the lower surface of the aircraft. The transponder(s) are located on the forward pilot side lower avionics shelf in the nose of the aircraft. The transponder(s) are controlled with a single CTL-92E control unit located in the cockpit on the

SDNY_GM_02757728

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

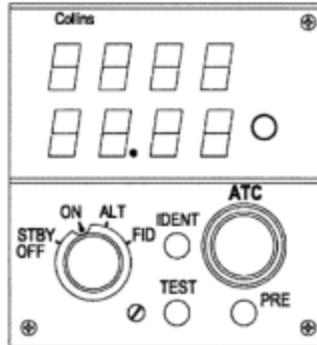
EFTA_00244650

EFTA01329513

instrument panel or center console. Electrical power is supplied to the number one transponder unit from the Radio Master No. 1 DC Primary bus through a 3 amp circuit breaker labeled NO. 1 XPDR. This circuit breaker also supplies power to the 28VDC IN NO 1 pin of the CTL-92E control unit. The number two transponder unit if installed is supplied electrical power from the 28VDC Essential bus through another existing 3 amp circuit breaker labeled NO. 2 XPDR. This circuit breaker also supplies power to the 28VDC IN NO 2 pin of the CTL-92E control unit.

CTL-92E Transponder Control Unit

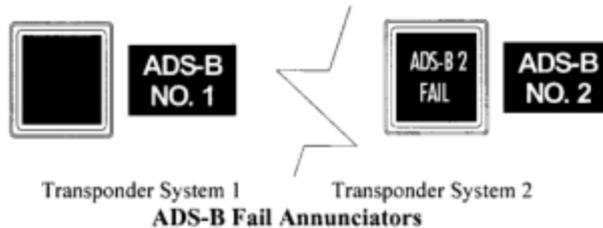
The transponder(s) TDR-94D(s) are controlled by a single Rockwell Collins CTL-92E Transponder Control Unit. When a single TDR-94D is installed, the number 1 transponder must be selected on the CTL-92E. When dual transponder systems are installed, each system is separate of the other except that both TDR-94D transponders are controlled by the single CTL-92E Transponder Control Unit. The CTL-92E provides a means for entering the flight identification code into the TDR-94D transponder(s). The flight identification code is one of the additional requirements for ADS-B functionality. Software in the Rockwell Collins CTL-92E is controlled by Rockwell Collins assigning a specific part number to the CTL-92E.



Rockwell Collins CTL-92E transponder control head

ADS-B Fail Annunciators

With the installation of the Rockwell Collins TDR-94D Part Number 662-9210-550 transponders, an "ADS-B Fail" annunciator is added (one for each transponder system). The annunciator(s) are located in the center section of the instrument panel in clear view of the pilot. If dual transponders are installed, the #2 ADS-B annunciator is located adjacent to the #1 annunciator. These annunciators will illuminate when the ADS-B function of the particular transponder fails or if the position source data supplied to the ADS-B function of the transponder fails or is considered inaccurate or invalid.



SDNY_GM_02757730

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244652

EFTA01329515

With the single TDR-94D ATC/Mode-S/ADS-B transponder installation, only the number 1 annunciator is installed. In the figure above, note that the number 2 ADS-B 2 Fail annunciator is shown with illuminated amber text as an example of indicating an ADS-B function failure.

Aircraft Sensors

The ADS-B function of the transponder(s) is transmitting of additional information derived from several aircraft sensors. These sensors include the Air Data Computer(s) (ADC) [altitude and air pressure data], the Attitude Heading and Reference System(s) (AHRS) [heading information], and the Flight Management System (FMS) [GPS position data]. With dual TDR-94D transponders installed, the number 1 transponder receives sensor information from the number 1 sensors and the number 2 transponder receives sensor information from the number 2 sensors. Heading information is supplied by both number 1 and number 2 AHRS through the FMS. With the single existing Universal Avionics UNS-1Fw FMS /GPS P/N. 3192-00-111102 installed, the transponder receives position data from that single FMS GPS. When dual TDR-94D transponders are installed, both transponders receive position source data from that single FMS.

Maintenance To Interfacing Components (Aircraft Sensors)

When maintenance is performed on or design changes are made to interfacing components or systems, those components or systems must be inspected and tested to ensure validity of the data to the transponders. If it can be verified with system checks that the interfacing system data is valid, it is not necessary to test the ADS-B out functions of the transponders. If that data cannot be verified through system checks, perform ADS-B testing in accordance with paragraph 2.5.5.

Qualified Position Source

This installation of the Dual Rockwell Collins TDR-94D mode S transponders with activation of the ADS-B extended squitter functions is approved for interfacing with the existing Universal Avionics UNS-1Fw FMS /GPS with WAAS P/N. 3192-00-111102. See Appendix B for electrical drawings and installation details.

FMS Software Requirements

The Universal Avionics UNS-1Fw FMS /GPS with WAAS P/N. 3192-00-111102 software control number must be 1000.X (where X is equal to or greater than 7).

ADS-B Functionality

The TDR-94D transponders must continue to meet the operational requirements of 14 CFR 91.413, 91.215, and 91.217 and comply with the transponder system tests and inspections called out in 14 CFR Part 43, Appendix E and Appendix F. See AC 43-6, *Altitude Reporting Equipment and Transponder System Maintenance and Inspection Practices*. For testing of the ADS-B function, see paragraph 2.5.5.

2.2 Component Removal and Installation Instructions

NOTE: *Following any transponder installation or maintenance where data correspondence error could be introduced, the integrated system shall be tested, inspected, and found to comply with 14 CFR, Part 91, Section 91.411, and Section 91.413 by complying with the following:*

- *Paragraph (c), Appendix E of Part 43 and*
- *Appendix F of Part 43.*

SDNY_GM_02757732

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244654

EFTA01329517

Also, the transponder ADS-B system shall be functionally tested in accordance with paragraph 2.5 of this ICA. A log book entry is required for accomplishment of this test.

When maintenance is performed on aircraft systems that provide data to the ADS-B portion of the transponders (Source Data), those systems must be functionally checked to verify the data being supplied is valid.

2.2.1 Removal and installation of TDR-94D transponders

Removal and installation of the system 1 and, if installed, system 2 TDR-94D transponders are identical except that the number 2 transponder is stacked on top of the number 1 transponder using two mounting frames. The transponder(s) are located stacked on the lower shelf in the right side nose avionics compartment.

Removal

Ensure all aircraft electrical power is deenergized. Gain access to the transponders by removing the right side avionics compartment access panel. Locate the TDR-94D transponder, loosen the two retaining knurl nuts, lift the retaining sleeves from the tabs, and pull the transponder from the rack.

Installation

Ensure all aircraft electrical power is deenergized. Inspect the transponder rack and retaining system, and the tandem adapter assemblies, for general condition, security, and serviceability. Inspect exposed system wiring behind the transponder racks for general condition and serviceability. Slide the serviceable transponder into the rack ensuring engagement of the wiring connectors. Lift the retaining sleeves up and over the tabs on the TDR-94D and secure with the two retaining knurl nuts. Reinstall the avionics access panel. If the transponder is being replaced, perform functional checks in accordance with paragraph 2.5.4 and 2.5.5.

2.2.2 Removal and installation of transponder antennas DMN150-6-2

Each transponder, system 1 and system 2 (if installed), have two antennas (diversity setup consisting of a lower antenna and an upper antenna). The transponder system 1 lower antenna is located on the lower surface of the aircraft, left of the aircraft centerline at fuselage station 140.00. Transponder system 2 lower antenna is located on the lower surface of the aircraft left of centerline at station 126.00. Transponder system 1 upper antenna is located left of the aircraft centerline on the top surface of the aircraft at fuselage station 143.67 and transponder system 2 upper antenna is located right of the aircraft centerline on the top surface of the aircraft at fuselage station 143.67. Removal and installation procedures for the transponder system antennas are typical and are as follows:

Removal

1. Turn off all electrical power.
2. Use a phenolic or plastic scraper and remove the sealing compound from the screws and around the edge of the antenna.
3. Remove the antenna attachment screws and remove the antenna from the fuselage enough to disconnect the antenna coax connector.
4. Disconnect the coax connector from the antenna and remove the antenna.

SDNY_GM_02757734

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244656

EFTA01329519

- Using the plastic scraper, remove all sealing compound and gasket material from the fuselage mounting area. Discard the used gasket.

Installation

- Ensure all electrical power is turned off.
- Clean mounting screws and screw contact surfaces of the antenna base and structure with methyl-ethyl-ketone to maintain electrical bond thru mounting hardware.
- Inspect the skin surface of the aircraft to ensure it is free of corrosion. If necessary reapply chemical film treatment MIL-DTL-5541.
- Remove AG247000-01 gasket from protective packaging, taking care not to fold or bend it. Verify that fastener holes and connector cutouts in the gasket will align with antenna when positioned for installation. Trim the perimeter of the gasket flush with antenna if needed.
- Remove release film from the side of the gasket marked "antenna side".
- Beginning at one side or corner of the antenna, place gasket in position, carefully aligning gasket fastener holes with antenna fastener holes.

Note: Release film should remain on exposed "aircraft side" of gasket until immediately prior to antenna installation.

- Remove release film from the aircraft side of the gasket and connect coaxial connector to the antenna.
- Position the antenna and gasket on the fuselage and install attachment screws.
- Allow gasket to flow into place for approximately 15 minutes then re-tighten screws.
- Apply a bead of sealing compound, AMS-S-8802, Class B2, around the edge of the antenna.
- Perform an electrical bonding check from one antenna attachment screw head to a known airframe ground. Resistance shall not be greater than 0.005 ohms.
- Apply corrosion preventative compound MIL-PRF-16173E over the attachment screw heads.
- Perform tests and inspections in accordance with paragraphs 2.5.4.

2.2.3 Removal and installation of ADS-B fail annunciator(s)



ADS-B Fail Annunciators

With the single TDR-94D ATC/Mode-S/ADS-B transponder Installation, only the number 1 annunciator is installed.

10-11-2024 10:11:24 AM

SDNY_GM_02757736

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244658

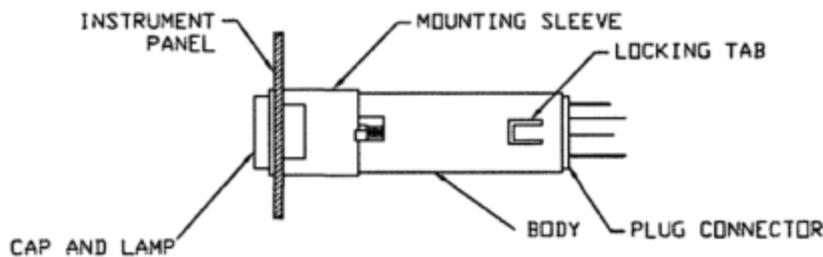
EFTA01329521

Removal

1. Ensure all aircraft electrical power is de-energized.
2. Gain access to the back of the annunciator.
3. Remove the annunciator cap by applying finger pressure on the two sides of the annunciator cap pulling the cap from the switch body and hinging the cap down.
4. Remove the wiring plug from the back of the annunciator using the plug extraction tool (Visisun part number 18-234).
5. Loosen the two internal locking screws and slide the locking sleeve off the back of the annunciator.
6. Slide the annunciator out from the front of the instrument panel.

Installation

1. Ensure all aircraft electrical power is de-energized.
2. Install the annunciator body into the cutout with the orientation stencil "up" in the up position.
3. With access to the back of the instrument panel, slide the locking sleeve onto the back of the annunciator and secure by tightening the two internal locking screws from the front of the annunciator body.
4. From the back side of the instrument panel, install the wiring plug into the back of the annunciator body to the locked position.
5. Swing the annunciator cap into position and push it into the switch body until it snaps in place.
6. Test the annunciator lamp by applying electrical power to the aircraft and pushing the pilot's side IIDS TEST button. The ADS-B fail annunciator(s) should illuminate.



TYPICAL ANNUNCIATOR

2.3 UNS-1Fw FMS Configuration

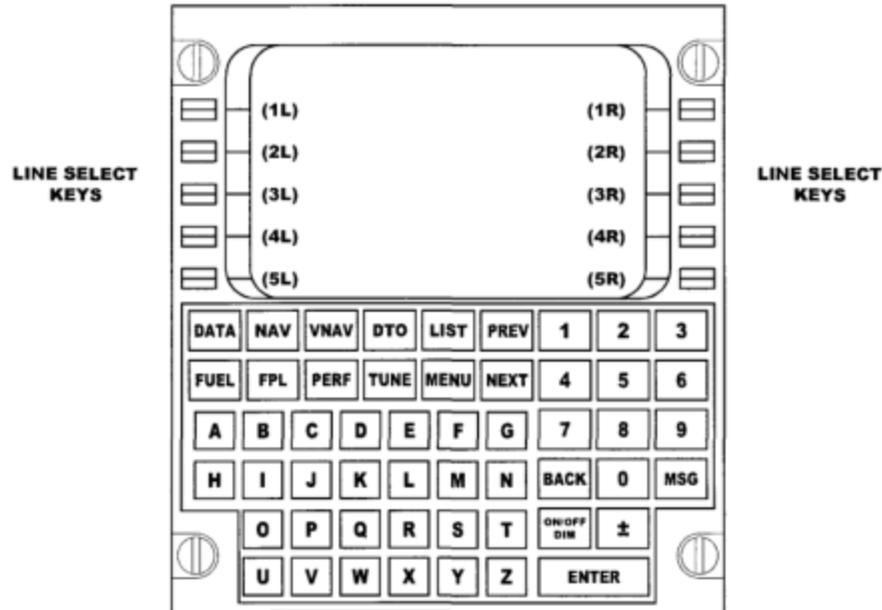
The UNS-1Fw Flight Management System (FMS) configuration must be changed to send ARINC 429 data to the ADS-B transponders. A spare FMS ARINC 429 port will be set to GPS/XPDR to send data to the transponders. The configuration data must be entered through the FMS Control Display Unit (CDU).

SDNY_GM_02757738

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244660

EFTA01329523



UNS-1Fw FMS Control Display Unit

	Action Display Line Select Buttons: (#L) left / (#R) right.	Result/Note
1.	Press the ON/OFF DIM button on FMS Navigation Computer Unit.	Navigation Computer Unit will power up and undergo a built-in-test.
2.	If the Tactical Waypoints page is displayed press KEEP TACTICAL WPTS (4L) to display INIT 1/1 page.	The INIT 1/1 page is displayed.
3.	Press ACCEPT (5L) to initialize the FMS.	The position, date, and time do not matter.
4.	Press Date (1R).	The date field is highlighted.
5.	Type 4, 5, 6, 7, 8, 9 and press the ENTER button.	
6.	Press the DATA button to display DATA 1/4 page.	The DATA 1/4 page is displayed.
7.	Press MAINT (5R) to display MAINT 1/1 page.	The MAINT 1/1 page is displayed.
8.	Press CONFIG (1L) to display CONFIG 1/2 page.	The CONFIG 1/2 page is displayed.
9.	Press EDIT (1R) once.	The word EDIT will change to STORE.
10.	Press ARINC (4L) to display ARINC OPT 1/1 page.	The ARINC OPT 1/1 page is displayed.

0070120A

SDNY_GM_02757740

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244662

EFTA01329525

	Action Display Line Select Buttons: (#L) left / (#R) right.	Result/Note
11.	Press TRANSMIT (2L) to display ARINC XMIT 1/1 page.	The ARINC XMIT 1/1 page is displayed.
12.	Set the ARINC XMIT port option as follows: (4L) Port 3 = GPS/XPDRHS (High Speed)	Press ENTER key on FMS Navigation Computer Unit keypad to accept this option before going on to the next step.
13.	Press RETURN (5R) to display ARINC OPT 1/1 page.	The ARINC OPT 1/1 page is displayed.
14.	Press RETURN (5R) to display CONFIG 1/2 page.	The CONFIG 1/2 page is displayed.
15.	Press NEXT button to enter FMS CONFIG 2/2 menu.	<i>Do not change the SCN (software control number) or the Aircraft Identification number displayed on this page.</i>
16.	<i>Do not press RETURN (5R)</i>	If "RETURN" is pressed the FMS will display the MAINT 1/1 page and the new configuration data will not be stored in the configuration module.
17.	Press STORE (1R) twice to save the new configuration	The first time STORE is pressed to save the new configuration the field is highlighted. When you push store a second time, the system will reset itself and initiate the power-up self test.
18.	Verify all sections of FMS Self Test Pass: CPU = PASS RAM = PASS DATABASE = PASS CONFIG MODULE = PASS AUXILIARY = PASS WAAS / ARINC = PASS	A Self test page displays the results of each test performed. S76 is displayed on the second line at the top of the page. If the self test is successful the copyright page is displayed. The self test page will remain on the display if a serious failure of the FMS occurs. Failures of a minor nature will allow you to continue after alerting you of the failure. Press the MSG key to view the message.
19.	If the <i>WAAS Config Unconfirmed</i> message is on, the GPS/WAAS Dynamic Test will have to be performed as per section 6.	This is required only if the <i>WAAS Config Unconfirmed</i> message is on the message page.
20.	If the Tactical Waypoints page is displayed; press KEEP TACTICAL WPTS (4L)	The Initialization page is displayed
21.	Press ACCEPT (L5) to complete initialization.	The Accept prompt is only available when all data fields display valid data.
22.	Turn off the FMS. Press the ON/OFF/DIM. Press (5R) OFF/STBY. Press (1R) CONFIRM OFF.	Power/Display Control Page is displayed. Confirm Off page is displayed. The FMS will shutdown.

SDNY_GM_02757742

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244664

EFTA01329527

2.4 Inspections

Daily Inspection

Visually inspect all antenna installations for general condition and security.

300 Hours of Operation

Remove the right side nose avionics bay access panel and visually inspect the TDR-94D transponder(s) and mounting racks for general condition, security of attachment, and deformation. If dual TDR-94D transponders are installed, pay particular attention to the general condition, attachment, and security of the tandem adapter assemblies. Also visually inspect all associated exposed electrical wiring and harnesses for general condition and security. Further disassembly is not required unless discrepancies are found. Reinstall the right side nose avionics bay access panel.

Visually inspect the ADS-B instrument panel annunciators for general condition, security, and legibility of the decals.

24 Month Inspection

Test the TDR-94D transponder system(s) in accordance with the functional test procedures in paragraphs 2.5.4 and 2.5.5 of this ICA. Transponder function modes A, C, and S must meet the two year requirements of 14 CFR Part 43, Appendix E and Appendix F. ADS-B functions must continue to meet the operational requirements of 14 CFR 91.217.

Special Inspections

Post lightning strike inspection: In the event that a lightning strike occurs, perform inspections and functional checks as required by the appropriate Sikorsky S-76 Maintenance Manual. Visually inspect the transponder antennas for signs of arc damage. If any signs of arcing are found, the entire transponder(s) system must be inspected in accordance with a 300 hour inspection and must be tested in accordance with a 24 month inspection as noted above. Any components showing signs of arcing must be replaced with a serviceable component.

Hard landing inspection: In the event of a hard landing, perform hard landing inspections as required by the appropriate Sikorsky S-76 Maintenance Manual. In addition to the hard landing inspection required by Sikorsky S-76 Maintenance Manuals, visually inspect the TDR-94D transponder(s) mounting racks for general condition, security, and deformation. Pay particular attention to the tandem adapter assemblies for the number 2 TDR-94D transponder system installation (if installed). Replace any component showing signs of deformation.

2.5 Functional Tests and Troubleshooting

2.5.1 Functional checks are applicable to both number 1, and if installed, number 2 transponder systems. If failures or discrepancies are discovered during the functional checks, correct those failures or discrepancies prior to continuing the checks. These functional tests are also intended to provide information to help with troubleshooting the systems. These functional tests are intended to show that the installed transponder system(s) are functioning properly and that the system(s) meet the minimum requirements for a 2 year recertification in accordance with 14 CFR Part 43 Appendixes E and F, and to ensure the extended squitter with ADS-B functions meet the requirements of 14 CFR Part 91.227.

SDNY_GM_02757744

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244666

EFTA01329529

2.5.2 Aircraft equipment requirements

The aircraft must be equipped with at least the following:

1. A single or dual Rockwell Collins TDR-94D transponder(s) part numbers 622-9210-550 installed in accordance with drawing list PHI-S76-DL-0015, Revision IR.
2. A single CTL-92E Rockwell Collins transponder control head part number 822-1807-004.
3. Qualified operational single Flight Management Systems with WAAS Global Positioning System(s).
4. All other standard type certificated navigation and communications equipment.

All associated aircraft systems must be functioning properly before testing is initiated. Observe all applicable safety precautions for the systems being tested and for aircraft operations during all test procedures.

2.5.3 Required test equipment

1. Aeroflex IFR 6000 ATC Transponder tester or equivalent test equipment with the capabilities of testing transponder modes A, C, S, and the extended squitter ADS-B. The Aeroflex IFR 6000 ATC Transponder tester must have software version 02.09.00 or later.
2. Laversab Model 6300 Automated Pitot Static Tester or an equivalent tester capable of performing all applicable altimeter system tests required in 14 CFR Part 43, Appendix E.

2.5.4 Transponder TDR-94D mode S testing

This test applies to both TDR-94D transponder system 1 and system 2 (if installed).

Note: For ADS-B testing, if the ADS-B Register BDS 0, 5 Airborne Position Message Code 9 -18 is to be tested concurrently with the mode S testing, the aircraft must be located outside where the FMS GPS will acquire valid position data.

For mode A, mode C, and mode S testing, perform the following:

1. Install safety lock pins (red flag attached) in main and nose landing gear before applying electrical power to the helicopter. Refer to the S-76 Maintenance Manual.
2. Connect external electrical power to the aircraft. Refer to applicable S-76C Rotorcraft Flight Manual, Normal Procedures.
3. Make sure all circuit breakers are pushed in except those noted as being pulled for maintenance or safety.
4. Place the CTL-92E ON and select the respective transponder to be tested.
5. Pull LDG GR CTL circuit breaker. (*Airborne*)
6. Verify the FMS is ON and has acquired satellites.

Note: Turning on the FMS and acquired satellites is only necessary if the ADS-B Register BDS 0, 5 Airborne Position Message Code 9 -18 is to be tested concurrently with the mode S testing.

SDNY_GM_02757746

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244668

EFTA01329531

7. Set up and configure the transponder test set and antenna. Set the test set to check the top antenna. Attenuate the bottom antenna for this test.
8. On transponder test set, initiate the Auto Test Sequence by pressing the Run Test soft key.

9. Verify the following:	Antenna: Top / Bottom
• Respective Transponder selected on CTL-92E control	/
• Hexadecimal code (Flight ID) on CTL-92E	/
• Transponder test set INTERR light illuminates	/
• Transponder test set REPLY light illuminates	/
• CTL-92E control TX annunciator illuminates	/
• Transponder test set ATC code matches CTL-92E control	/
• Transponder test set altitude matches CTL-92E control	/
• Transponder test set frequency approximately 1090 MHz	/
• Transponder test set tail number matches aircraft	/
• Transponder test set — Mode S UF0 Test, R1 =11	/
• Transponder test set — Mode S UF5 Test, FS = 0	/

10. Reset the LDG GR CTL circuit breaker. (*On Ground*)
11. On transponder test set, initiate the Auto Test Sequence by pressing the Run Test soft key.

12. Verify the following:	Antenna: Top / Bottom
• Transponder being tested is selected on CTL-92E control	/
• CTL-92E control Flight ID set to aircraft registration number	/
• CTL-92E control TX annunciator off	/
• Transponder test set mode S ATC code matches CTL-92E control	/
• Transponder test set mode S altitude matches CTL-92E control	/
• Transponder test set indicates ON Ground	/
• Transponder test set – Mode S UF0 Test, RI =11	/
• Transponder test set – Mode S UF5 Test, FS = 1	/

SDNY_GM_02757748

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244670

EFTA01329533

13. Set the transponder test set to Mode A/C and XPDR-S ALL-CALL and press the Run Test soft key.
 14. Verify the transponder test set does not indicate a valid reply Antenna:
Top / Bottom
-
15. Pull LDG GR CTL circuit breaker. (*Airborne*)
 16. Set up transponder test set for bottom antenna. Attenuate the top antenna for this test.
 17. Repeat steps 9 thru 13 of this section to check bottom antenna.
 18. Set up pressure altitude test equipment to check the barometric altitude reported by the mode S and ADS-B transponder.

Note: Checking the ADS-B Register BDS 0, 5 Airborne Position Message Code 9 -18 Barometric Altitude is not required for transponder mode S testing; however, if the ADS-B portion of the transponder will be tested, it will save time if the tests are done concurrently.

19. Check the mode S altitude and the ADS-B Register BDS 0,5 Airborne Position Message Code 9 -18 Barometric Altitude at each of these altitudes.

Note: Checking the ADS-B Register BDS 0, 5 Airborne Position Message Code 9 -18 Barometric Altitude is not required for transponder mode S testing; however, if the ADS-B portion of the transponder will be tested, it will save time if the tests are done concurrently.

Altitude (ft.)	Mode S (ft.)	ADS-B (ft.)
-1,000		
0		
500		
1,000		
1,500		
2,000		
3,000		
4,000		
6,000		
8,000		
10,000		
12,000		
14,000		
16,000		
18,000		

SDNY_GM_02757750

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244672

EFTA01329535

20. If the ADS-B functions of the transmitter are to be tested, proceed to 2.5.5.
21. If the ADS-B functions of the transmitter are not to be tested, turn off avionics as required, and disconnect external electrical power. Refer to the applicable S-76 Rotorcraft Flight Manual, Normal Operations.
22. Shutdown all test equipment and remove from aircraft.

2.5.5 Transponder TDR-94D ADS-B testing

This test applies to both TDR-94D transponder system 1 and system 2 (if installed).

For ADS-B testing, the aircraft must be located outside where the FMS GPS will acquire valid position data.

For ADS-B function testing, perform the following:

1. Install safety lock pins (red flag attached) in main and nose landing gear before applying electrical power to the helicopter. Refer to the S-76 Maintenance Manual.
2. Verify all circuit breakers are pushed in except those noted as being pulled for maintenance or safety.
3. Place the CTL-92E ON and select the respective transponder to be tested.
4. Pull the LDG GR CTL circuit breaker. (Airborne).
5. Verify the ADS-B position source (GPS, FMS) is operational and acquiring valid position data.
6. Setup and configure the transponder test set and antenna to check the ADS-B. Verify that the transponder test set REPLY light illuminates.
7. On transponder test set, initiate auto test sequence by pressing RUN TEST soft key.
8. The transponder test set INTERR indicator illuminates.
9. The transponder test set the RPLY indicator illuminates.
10. The CLT-92E control TX annunciator illuminates.

NOTE: An AUTO TEST — FAILED indication can be caused by the close proximity to other aircraft or hanger signal reflection.

11. If the transponder test set indicates AUTO TEST — FAILED, list the failed tests.

-
-
12. FAA assigned Mode S Code: _____
 13. On transponder test set, press XPDR button to access the XPDR ADS-B page.
 14. On transponder test set, go to Aircraft Identification and Type Message, BDS 0,8 Type Code 1-4.
 15. Type Code must be "4": _____

SDNY_GM_02757752

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244674

EFTA01329537

16. Aircraft identification (8 characters octal) must match the Mode S Code in step 12. Record 8 character octal: _____
17. ADS-B Flight ID must match the Flight ID as entered in the CTL- 92E.

18. ADS-B Emitter Category Set must be "A": _____
19. ADS-B Emitter Category must be "Rotorcraft": _____
20. Reset the LDG GR CTL circuit breaker. (On Ground)
21. On transponder test set go to Surface Position Message, BDS 0,6 Type Code 5-8.
22. Record Type Code: _____
23. Record Latitude and Longitude from the position source (GPS, FMS):
Latitude _____ Longitude _____
24. Record ADS-B reported Latitude and Longitude from test set:
Latitude _____ Longitude _____
25. Verify ADS-B reported LAT/LONG in Step 24 is the same as the Position Source LAT/LONG in Step 23: _____
26. Verify movement is "1" or "Stopped": _____
27. Verify that the Time Sync is not used "N/UTC". _____
28. Verify the ADS-B heading is reported. _____
29. Verify ADS-B reported position decoding is "Global": _____
30. Record NIC Supplement "7 or 8": _____
31. On transponder test set, go to Aircraft Operational Status Message, BDS 6,5 Type Code 31.
32. Type Code must be "31": _____
33. Aircraft Operational Status Subtype must be "1 or Surface": _____
34. Verify Version Number Subfield is "2 or DO-260B". _____
35. Verify Class B2 Transmit Power is (B2 LOW) "0 or ≥ 70 watts": _____
36. Verify that System Design Assurance (SDA) "2": _____
37. Verify that the Single Antenna Flag (SAF) is "0 or Dual": _____
38. Verify Resolution Advisory (RA) is "0 or not active": _____
39. Verify Ident is "0 or Not active": _____
40. Activate Ident on transponder system; Verify ADS-B reported Ident is "1 or active" for approximately 18 seconds: _____
41. Verify Antenna Offset is "0 meters lateral and 10 meters longitudinal": _____
42. Verify Horizontal Reference Direction (HRZ) is "0 or True North": _____

SDNY_GM_02757754

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244676

EFTA01329539

43. Verify that Surveillance Integrity Level (SIL) is "3": _____
44. Verify that NACP \geq 8: _____
45. Verify Aircraft Length and Width is "2 or Length < 25.0m, Width < 28.0m": _____
46. Pull the LDG GR CTL circuit breaker. (Airborne).
47. On test set, go to Airborne Position Message, BDS 0,5 Type Code 9 - 18.
48. Record Type Code: _____
49. Record NIC Supplement "7 or 8": _____
50. On test set go to Airborne Velocity Message, BDS 0,9 Type Code 19.
51. Record Type Code: _____
52. Verify East - West, North - South Velocities and Directions. For a stationary aircraft:
East - West = "0": _____ / North - South = "0": _____
53. For a WAAS position source, verify NACv is 1 or 2: _____
54. Verify Airborne Velocity Subtype is "1 or ground speed normal": _____
55. Verify ADS-B reported Vertical Rate is the same as aircraft indication, stationary aircraft should be zero: _____
56. Record ADS-B reported Geometric Height Difference from Barometric Altimeter: _____
57. Verify ADS-B Vertical Rate Source is "0 or Geometric": _____
58. Turn Transponder Altitude reporting OFF.
59. On test set, go to Airborne Position Message, BDS 0,5 Type Code 22 - 20.
60. Record Type Code: _____
61. Record ADS-B reported Altitude: _____
62. Turn Transponder Altitude reporting ON.
63. On transponder test set go to Extended Squitter Aircraft Status BDS 6,1 Type Code 28.

Note: Attenuate transponder RF output or notify ATC that the following emergency tests will be accomplished.

64. On the CTL-92E control input Mode 3/A code "7700":
65. Verify Type Code is "28": _____
66. Verify the ADS-B Mode 3/A code is "1 or General emergency": _____
67. Verify Emergency/Priority Status Subtype Coding is "1 or Emergency/Priority Status": _____

SDNY_GM_02757756

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244678

EFTA01329541

68. On the CTL-92E control input Mode 3/A code "7600":
69. Verify the ADS-B Mode 3/A code is "4 or No communications": _____
70. Verify Emergency/Priority Status Subtype Coding is "1 or Emergency/Priority Status": _____
71. On the CTL-92E control input Mode 3/A code "7500":
72. Verify the ADS-B Mode 3/A code is "5 or Unlawful Interference": _____
73. Verify Emergency/Priority Status Subtype Coding is "1 or Emergency/Priority Status": _____
74. On the CTL-92E control input Mode 3/A code "1200".

End Of Emergency Code Testing

75. On transponder test set go to Aircraft Operational Status Message, BDS 6,5 Type Code 31.
76. Verify Type Code is "31": _____
77. Verify Aircraft Operational Status Subtype is "0 or Airborne": _____
78. Verify Navigation Accuracy Category for Position (NACP) is ≥ 8 : _____
79. Verify that SDA "2": _____
80. Verify that the Single Antenna Flag (SAF) is "0 or Dual": _____
81. Verify Resolution Advisory is "0 or TCAS II or ACAS RA not active": _____
82. Verify Ident is "0 or Not active": _____
83. Activate Ident on transponder system; Verify ADS-B reported Ident is "1 or active" for approximately 18 seconds: _____
84. Verify that Traffic Alert and Collision Avoidance System Status is "Not TCAS", "TCAS OP= 0", "TCAS not installed", or "TCAS not operational": _____
85. Verify Navigation Integrity Category for Baro (NICBARO) is "1 or crossed checked": _____
86. Switch off the GPS/FMS.
87. Verify Navigation Accuracy Category for Position (NACP) goes to "0" within 5 seconds: _____
88. Verify that the transponder(s) ADS-B Fail annunciator(s) illuminates.
Note: If dual transponders are installed, both ADS-B Fail annunciators illuminate.
89. Switch on the FMS and acquire satellites.
90. Verify the transponder ADS-B Fail annunciator(s) extinguish.
91. Pull the XPNDR circuit breaker to the transponder being tested.
92. Verify that the appropriate transponder ADS-B Fail annunciator illuminates.

SDNY_GM_02757758

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244680

EFTA01329543

93. Reset the XPNDR circuit breaker.
94. Verify that the appropriate transponder ADS-B Fail annunciator extinguishes.
95. Reset the LDG GR CTL circuit breaker. (On Ground)
96. Pull the FMS circuit breaker.
97. Verify that the transponder(s) ADS-B Fail annunciator(s) illuminates.
98. Reset the FMS circuit breaker and acquire satellites.
99. Verify that the transponder(s) ADS-B Fail annunciator(s) extinguish.
100. Turn off avionics as required, and disconnect external electrical power. Refer to the applicable S-76 Rotorcraft Flight Manual, Normal Operations.
101. Shutdown all test equipment and remove from aircraft.

2.6 Decals and Placards

No. 1 TRANSPONDER (BOTTOM)

1. PHI P/N **PHID-1757**, located on the avionics shelf in front of the #1 transponder.

No. 2 TRANSPONDER (TOP)

2. PHI P/N **PHID-1756**, located on the avionics shelf in front of the #2 transponder.

ADS-B NO. 1

3. PHI P/N **PHID-1913**, located on the instrument panel adjacent to the number 1 transponder ADS-B 1 fail annunciator.

ADS-B NO. 2

4. PHI P/N **PHID-1914**, located on the instrument panel adjacent to the number 2 transponder ADS-B 2 fail annunciator.

3.0 SERVICING INFORMATION

No servicing is required.

SDNY_GM_02757760

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244682

EFTA01329545

4.0 AIRWORTHINESS LIMITATIONS

The Airworthiness Limitations section is FAA approved and specifies maintenance required under Sections 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

There are no airworthiness limitations associated with this installation.

5.0 COMPONENT OVERHAUL

Components within the TDR-94D transponder system(s) are considered to be *on condition items* and no overhaul requirements are associated with the installation.

6.0 GENERAL MAINTENANCE INFORMATION AND STANDARD PRACTICES

6.1 Weight and Balance Requirements

When equipment changes are made, the aircraft weight and balance record shall be corrected, and the equipment list amended as necessary to reflect those changes. The weight and location shall be determined for the equipment being removed or installed. This information (weight, station, and butt line) shall be recorded and used to calculate a new aircraft empty weight center of gravity. This new empty weight center of gravity shall be recorded in the aircraft permanent records and made available to the pilot.

System/Component	Weight (lbs.)	Longitudinal		Lateral	
		Arm (in.)	Moment (lb.-in.)	Arm (in)	Moment (lb.-in.)
TDR-94D Transponder System 1					
Rockwell Collins TDR-94D	8.5	48.30	410.5	RBL -17.19	-146.1
TDR-94D Mounting Tray	1.0	48.30	48.3	RBL -17.19	-17.2
#1 ADS-B Annunciator, see Note 2	0.1	77.00	7.7	LBL 8.00	0.8
System 1 upper antenna, see Note 1	1.0	143.67	143.7	LBL 27.00	27.0
System 1 lower antenna, see Note 1	1.0	140.00	140.0	LBL 14.50	14.5
TDR-94D Transponder System 2					
Rockwell Collins TDR-94D	8.5	48.30	410.5	RBL -17.19	-146.1
TDR-94D Mounting Tray	1.0	48.30	48.3	RBL -17.19	-17.2
Tandem Adapter Assembly (2 frames)	1.0	48.30	48.3	RBL -17.19	-17.2
#2 ADS-B Annunciator, see Note 2	0.1	77.00	7.7	RBL -8.00	-.08
System 2 upper antenna, see Note 1	1.0	143.67	143.7	RBL -27.00	-27.0
System 2 lower antenna, see Note 1	1.0	126.00	126.0	LBL 14.50	14.5
Rockwell Collins CTL-92E Transponder Control					
CTL-92E, see Note 3	1.3	79.62	103.5	LBL 1.65	2.1

Note: 1 Actual antenna station locations may vary up to 3 inches depending on the installation.

Note: 2 Actual ADS-B Annunciator locations may vary within the instrument panel, see FIGURES A-2 and A-3.

Note: 3 Actual CTL-92E location may vary within the center console and instrument panel, see FIGURE A-4.

SDNY_GM_02757762

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244684

EFTA01329547

6.2 Consumable Materials

Additional consumable materials are noted in Appendix A and B of this document. Only those consumable materials noted herein shall be used. If necessary, the STC holder can be contacted for approval to use alternate materials.

6.3 Torque Information

For hardware torque values, refer to Appendix A. Where torque values are not specifically addressed in this ICA, the Sikorsky S-76 Maintenance Manual, Chapter 20, may be used as a guideline for fastener torque values and techniques.

SDNY_GM_02757764

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244686

EFTA01329549

APPENDIX A.

MECHANICAL INSTALLATION INFORMATION

Appendix A Table of Contents

Title Page/Contents.....	A1
General Notes	A1
FIGURE A-1, Component Locations	A2
Transponder TDR-94D, Single Transponder Installation	
Parts List, FIGURE A-2, Single Transponder Installation.....	A4
FIGURE A-2, Single Transponder Installation	A5
Transponder TDR-94D, Dual Transponder Installation	
Parts List, FIGURE A-3, Dual Transponder Installation	A9
FIGURE A-3, Dual Transponder Installation	A10
Transponder Control CTL-92E Single or Dual Installation	
FIGURE A-4, Transponder Control CTL-92E.....	A14

General Notes:

1. Application of sealant around mating surfaces:
 - A. Remove all dust, dirt, oil, grease, wax, loose paint, etc. By wiping surface with methyl ethyl ketone (MEK) using a clean cloth.
 - B. Mask off perimeter of area to be sealed.
 - C. Apply 1/8"-1/4" bead of sealant around mating surfaces.
 - D. Remove excess sealant and masking materials.
 - E. Allow sealant to cure at room temperature (for full cure, allow approximately 72 hrs. @ room temperature).
2. Antenna gasket installation: reference paragraph 2.2.2.
3. Chemical film all aluminum parts and assemblies with materials conforming to MIL-DTL-5541. If parts become scratched, re-apply chemical film to the scratched surfaces. Following any drilling or cutting operation, remove all burrs and metal particles, re-apply chemical film to bare surfaces prior to part or fastener installation.
4. Prime exposed surfaces with MIL-PRF-23377 epoxy polyamide primer.
5. Application of corrosion preventive compound:
 - A. Remove all dust, dirt, oil, grease, wax, loose paint, etc. By wiping surface with methyl ethyl ketone (MEK) using a clean cloth.
 - B. For best results, the ambient and product temperature should be 50-95°F (10-35°C) at time of application. Ensure uniform consistency prior to use. Brush a thin coat of compound over head of screws ensuring edges of screws and mating surfaces are sealed.
 - C. Allow compound to cure for 24 hours at room temperature.

SDNY_GM_02757766

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244688

EFTA01329551

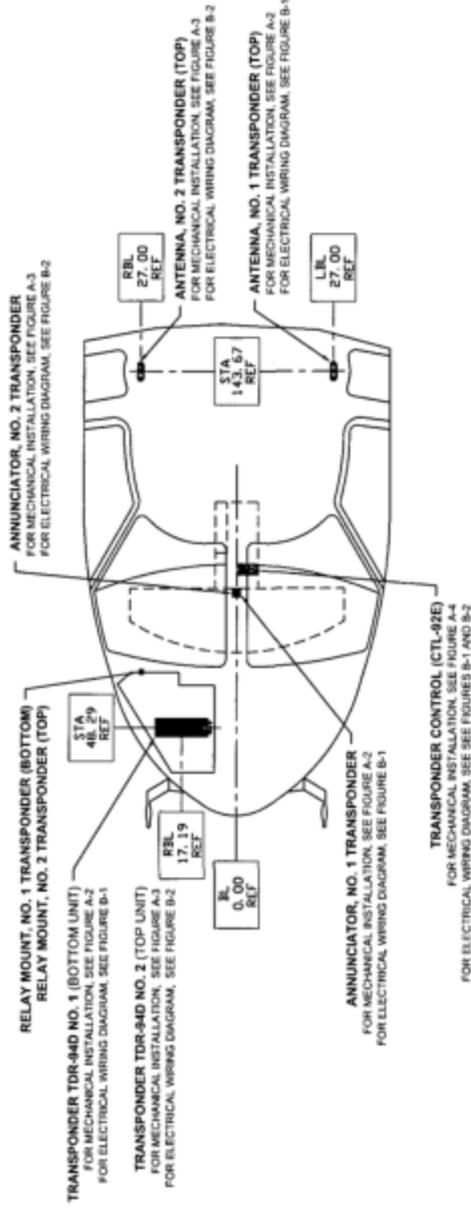


FIGURE A-1, TOP VIEW
SINGLE OR DUAL ROCKWELL COLLINS TDR-94D
ATC/MODE-S (ADS-B) TRANSponder(S)

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757768

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244690

EFTA01329553

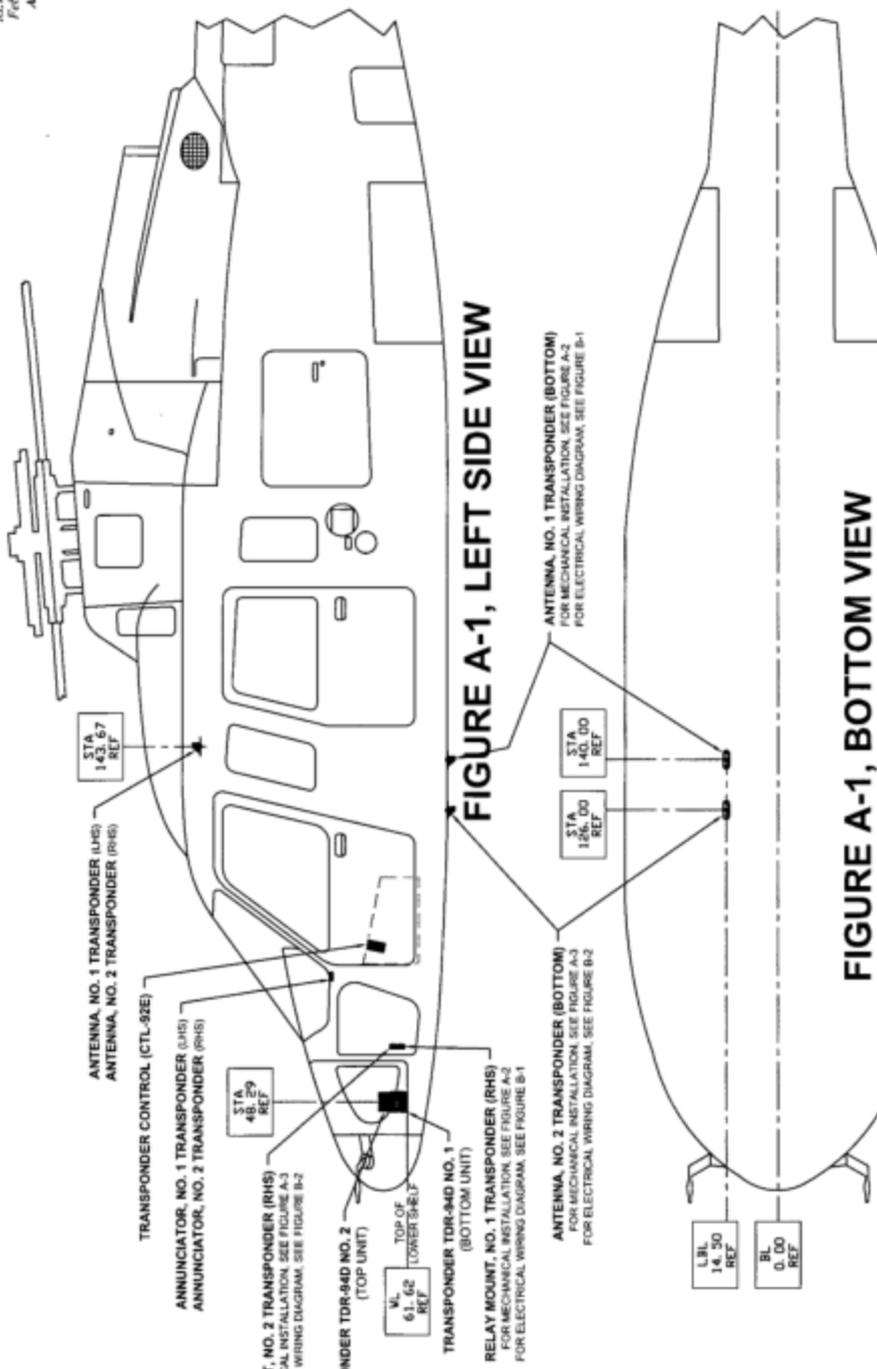


FIGURE A-1, LEFT SIDE VIEW

FIGURE A-1, BOTTOM VIEW

**SINGLE OR DUAL ROCKWELL COLLINS TDR-94D
 ATC/MODE-S (ADS-B) TRANSPONDER(S)**

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757770

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244692

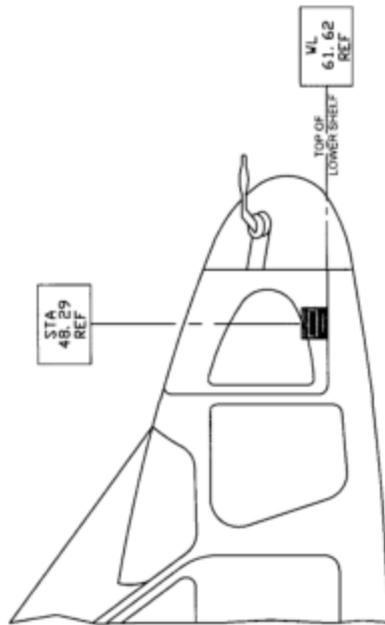
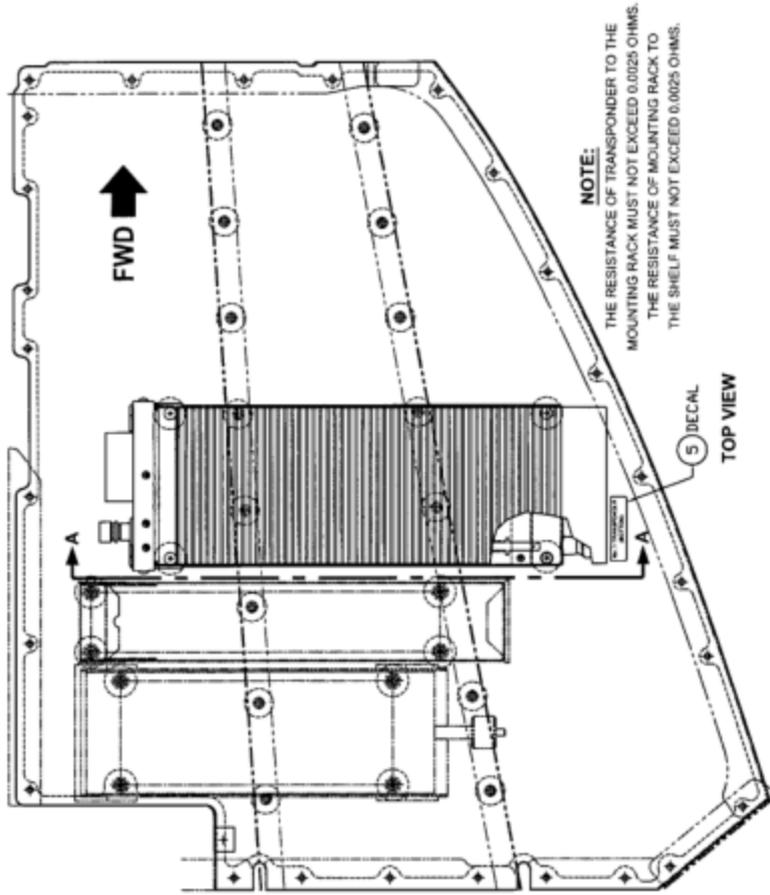
EFTA01329555

FIGURE A-2			
TDR-94D Single Transponder Installation, Mechanical			
ITEM	QT	Part Number	Nomenclature
1	4	MS27039-0806	SCREW
2	4	NAS620-8	WASHER
3	4	NAS1832-08-3	INSERT
4	AR	EA9309.3NA	ADHESIVE
5	1	PHID-1757	DECAL
6	1	622-9672-104	TDR-94D MOUNTING TRAY
7	4	MS35338-42	LOCK WASHER
8	2	DMNI50-6-2	ANTENNA
9	2	AG247000-01	ANTENNA GASKET
10	2	PHI-050-60948-01	ANTENNA RETAINER ASSEMBLY (1 ea. / antenna installation)
11	12	MS24693-S38	SCREWS (6 ea. / antenna installation)
12	AR	AMS-S-8802	SEALANT
13	AR	MIL-PRF-16173	CORROSION PREVENTITIVE COMPOUND
14	1	PHID-1913	DECAL
15	1	M12883-52-001	RELAY MOUNT
16	2	MS24693-**- (8-32)	SCREW
17	2	NAS1149DN816J	WASHER
18	2	MS21042L08	NUT
19	1	PHID-1915	DECAL
20	1	95-XX-17-H1-E1BKK	ANNUNCIATOR CAP (Number 1)
21	1	95-40-17	ANNUNCIATOR BODY
22	1	17-043	LAMP

QT – Quantity

AR – As Required

** – Double asterisks at the end of a part number indicates, installer must determine length of hardware.



R/H SIDE VIEW
 SINGLE TDR-94D INSTALLATION

FIGURE A-2
 SINGLE TDR-94D TRANSPONDER INSTALLATION

0070120C.dwg

A5

SDNY_GM_02757773

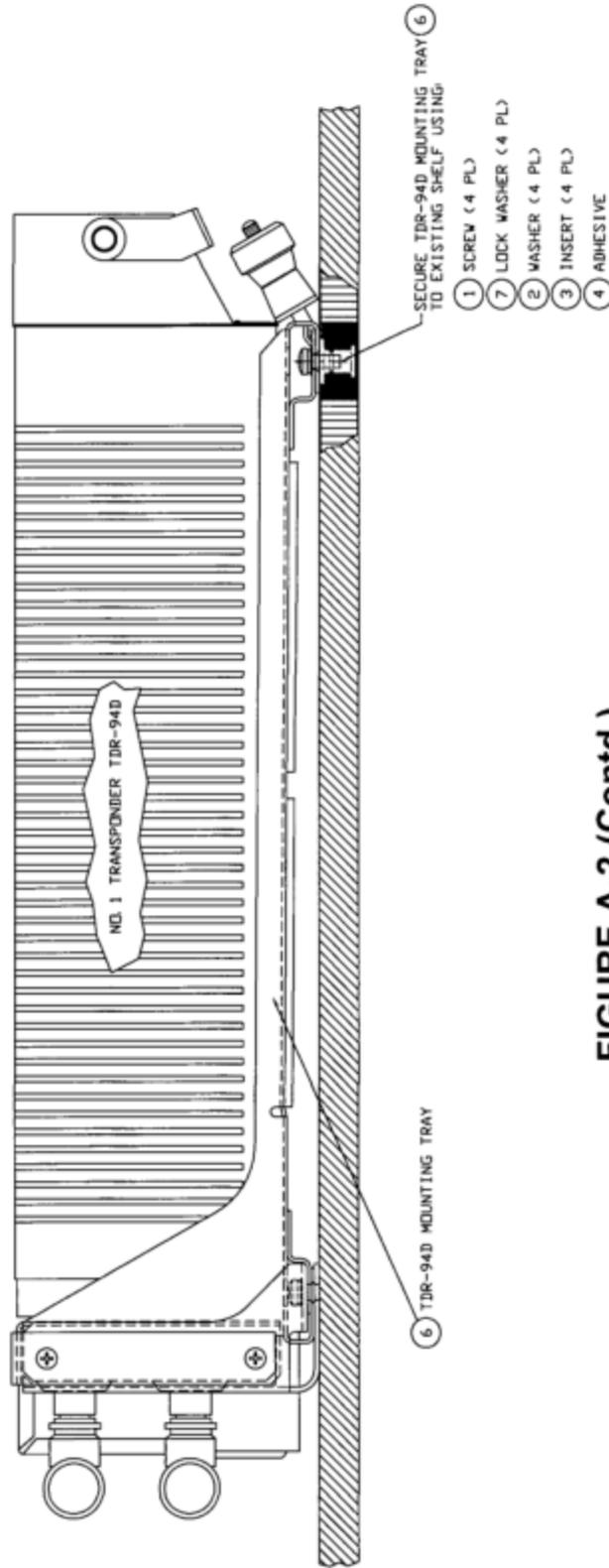
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757774

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244696

EFTA01329559



**FIGURE A-2 (Contd.)
 DETAIL A-A
 SINGLE TDR-94D TRANSPONDER INSTALLATION**

A6

0070120C.dwg

SDNY_GM_02757775

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757776

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244698

EFTA01329561

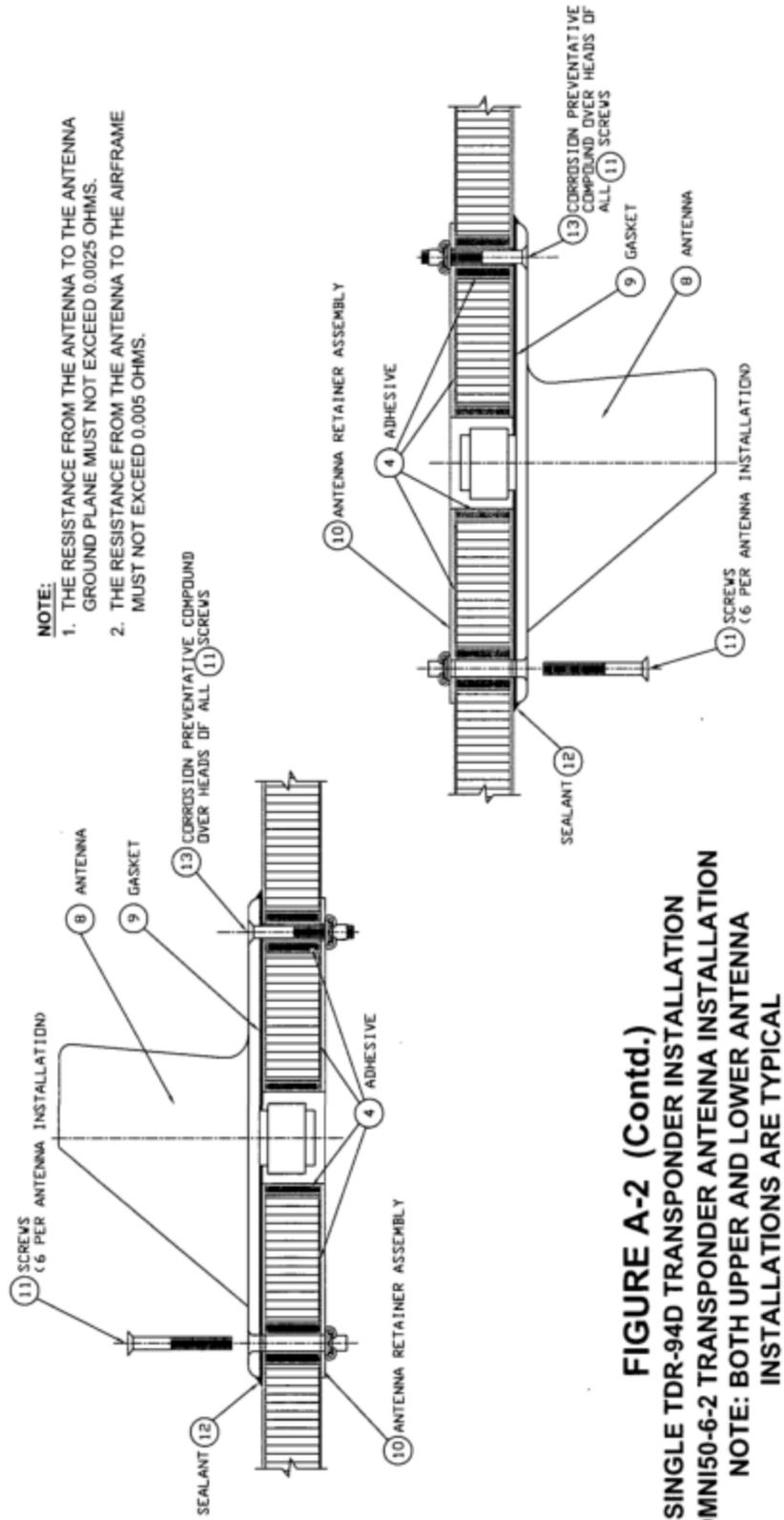


FIGURE A-2 (Contd.)
SINGLE TDR-94D TRANSPONDER INSTALLATION
DMNI50-6-2 TRANSPONDER ANTENNA INSTALLATION
NOTE: BOTH UPPER AND LOWER ANTENNA
INSTALLATIONS ARE TYPICAL

0070120C.dwg

A7

SDNY_GM_02757777

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244699

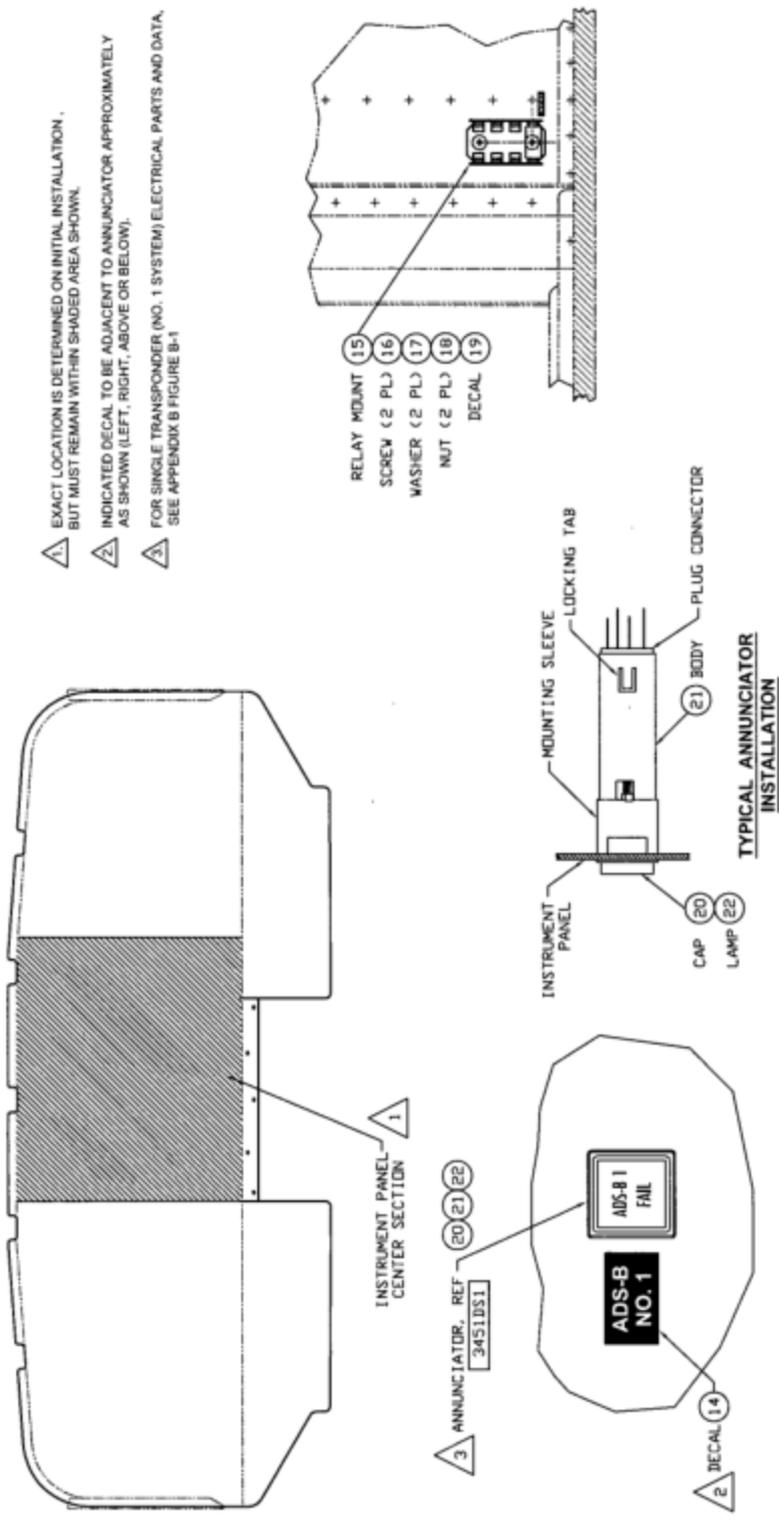
EFTA01329562

SDNY_GM_02757778

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244700

EFTA01329563



0070120C.dwg

A8

**FIGURE A-2 (Contd.)
ANNUNCIATOR AND RELAY MOUNT**

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757779

SDNY_GM_02757780

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244702

EFTA01329565

FIGURE A-3			
TDR-94D Dual Installation, Mechanical			
ITEM	QT	Part Number	Nomenclature
1	2	MS27039-0809	SCREW
2	8	MS35338-42	LOCK WASHER
3	8	NAS620-8	WASHER
4	2	MS27039-0805	SCREW
5	4	MS27039-0807	SCREW
6	AR	LOCTITE 222MS	THREAD LOCK
7	4	NAS1832-08-3	INSERT
8	AR	EA9309.3NA	ADHESIVE
9	1	PHID-1757	DECAL
10	1	PHID-1756	DECAL
11	2	622-9672-104	TDR-94D MOUNTING TRAY
12	2	PHI-050-60913-01	TANDEM ADAPTER ASSEMBLY
13	4	DMNI50-6-2	ANTENNA
14	4	AG247000-01	ANTENNA GASKET
15	4	PHI-050-60948-01	ANTENNA RETAINER ASSEMBLY (1 ea. / antenna installation)
16	24	MS24693-S38	SCREWS (6 ea. / antenna installation)
17	AR	AMS-S-8802	SEALANT
18	AR	MIL-PRF-16173	CORROSION PREVENTITIVE COMPOUND
19	1	PHID-1914	DECAL
20	1	PHID-1913	DECAL
21	2	M12883-52-001	RELAY MOUNT
22	4	MS24693-** (8-32)	SCREW
23	4	NAS1149DN816J	WASHER
24	4	MS21042L08	NUT
25	1	PHID-1915	DECAL
26	1	PHID-1916	DECAL
27	1	95-XX-17-H1-E15KB	ANNUNCIATOR CAP (Number 2)
28	1	95-40-17	ANNUNCIATOR BODY
29	AR	17-043	LAMP
30	1	95-XX-17-H1-E15KK	ANNUNCIATOR CAP (Number 1)

QT – Quantity

AR – As Required

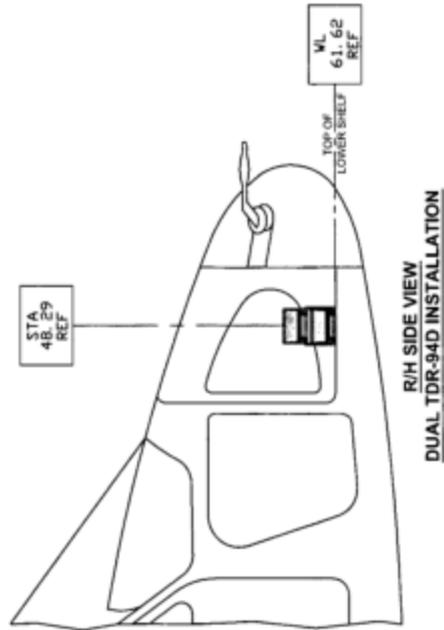
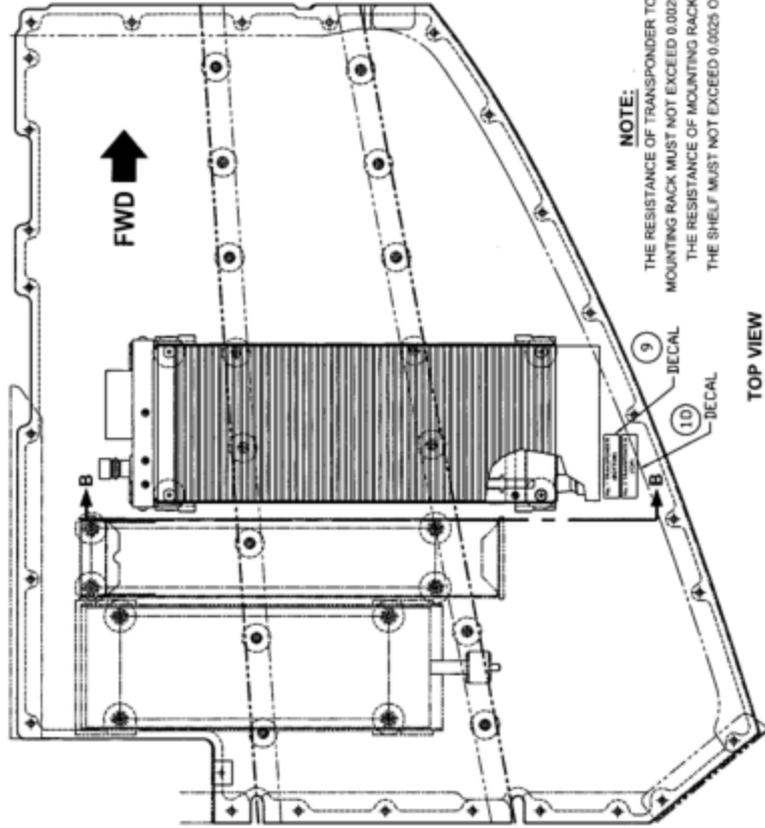
** – Double asterisks at the end of a part number indicates, installer must determine length of hardware.

SDNY_GM_02757782

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244704

EFTA01329567



**FIGURE A-3
 DUAL TDR-94D TRANSPONDER INSTALLATION**

A10

0070120C.dwg

SDNY_GM_02757783

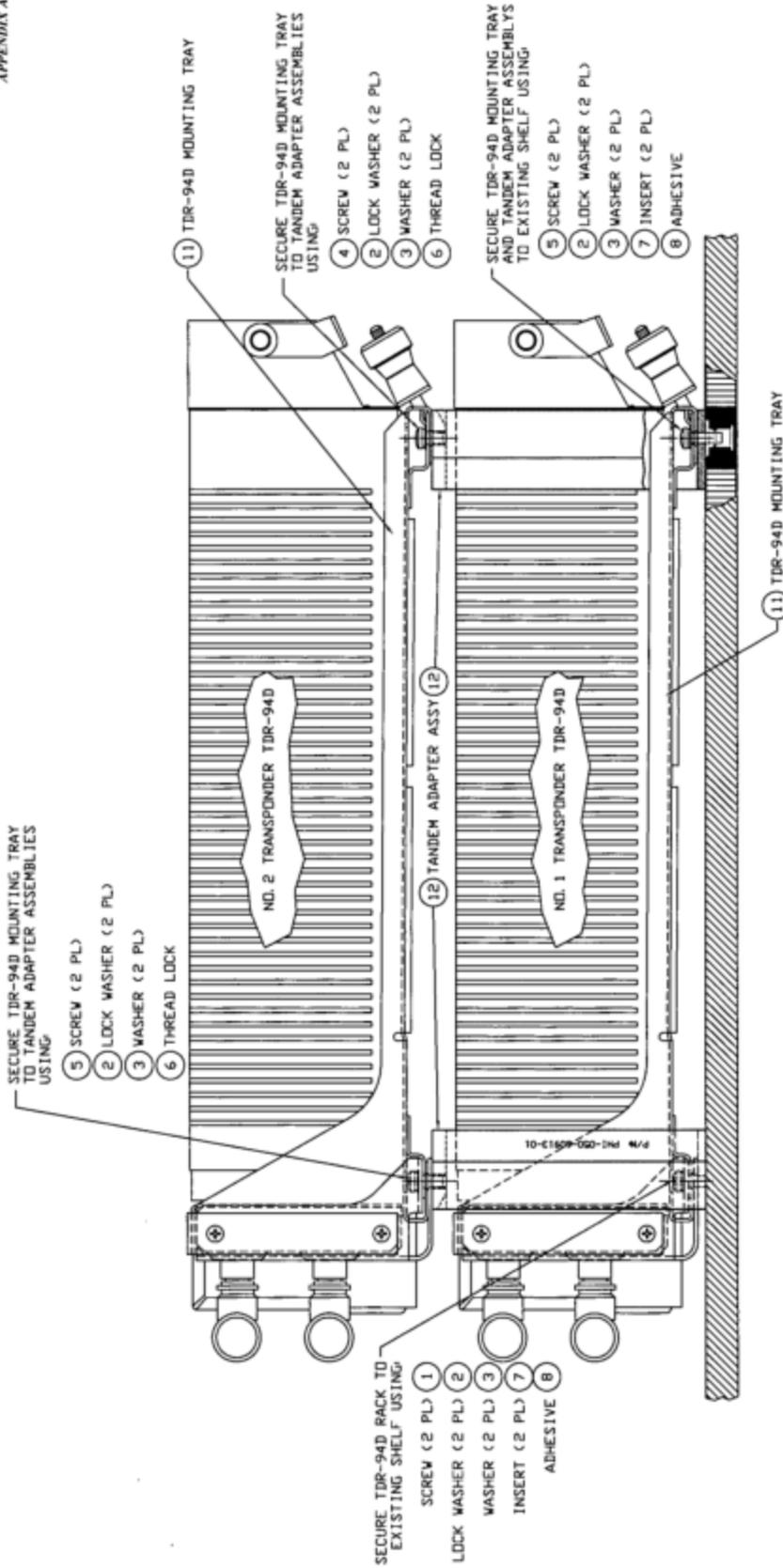
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757784

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244706

EFTA01329569



A11

FIGURE A-3 (Contd.)
DETAIL B-B
 DUAL TDR-94D TRANSPONDER INSTALLATION

0070120C.dwg

SDNY_GM_02757785

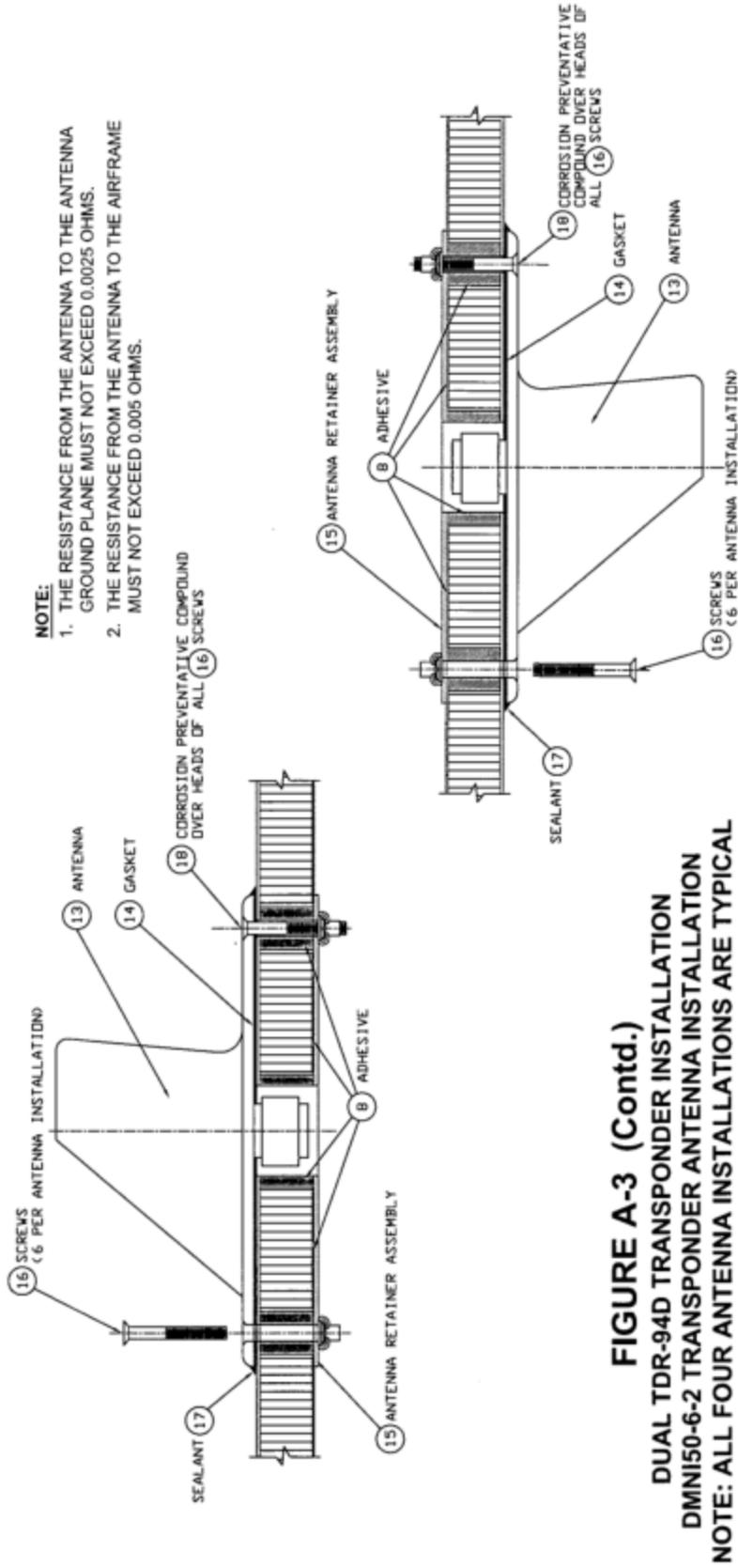
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757786

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244708

EFTA01329571



NOTE:

1. THE RESISTANCE FROM THE ANTENNA TO THE ANTENNA GROUND PLANE MUST NOT EXCEED 0.0025 OHMS.
2. THE RESISTANCE FROM THE ANTENNA TO THE AIRFRAME MUST NOT EXCEED 0.005 OHMS.

FIGURE A-3 (Contd.)
DUAL TDR-94D TRANSPONDER INSTALLATION
DMN150-6-2 TRANSPONDER ANTENNA INSTALLATION
NOTE: ALL FOUR ANTENNA INSTALLATIONS ARE TYPICAL

0070120C.dwg

A12

SDNY_GM_02757787

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244709

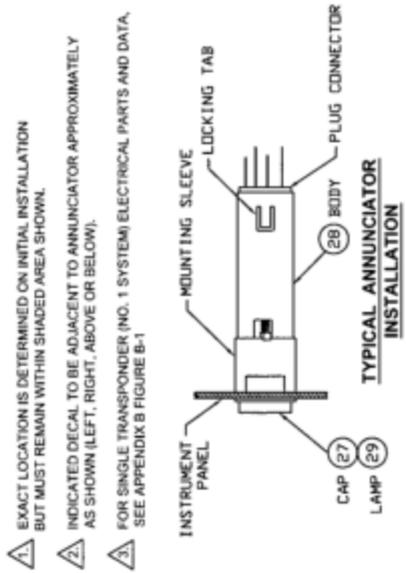
EFTA01329572

SDNY_GM_02757788

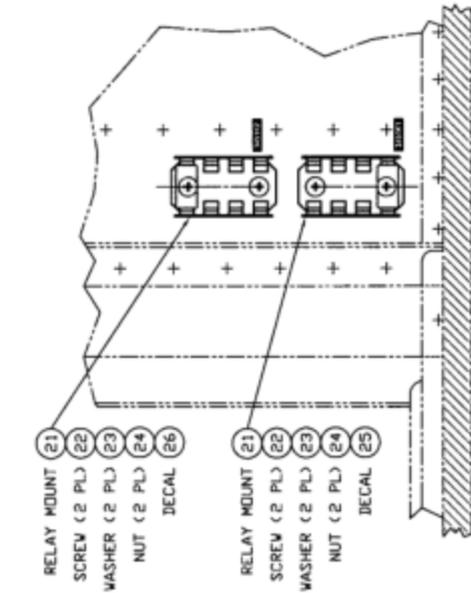
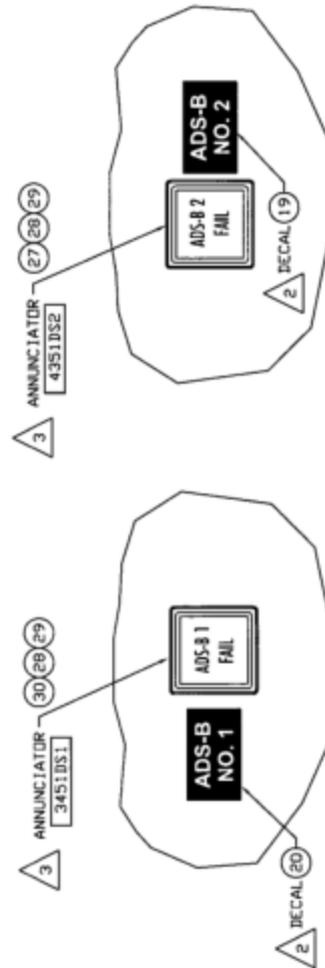
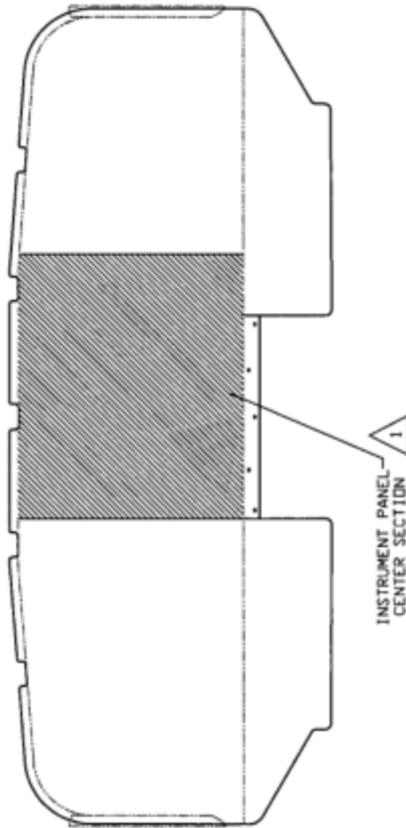
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244710

EFTA01329573



1. EXACT LOCATION IS DETERMINED ON INITIAL INSTALLATION BUT MUST REMAIN WITHIN SHADED AREA SHOWN.
2. INDICATED DECAL TO BE ADJACENT TO ANNUNCIATOR APPROXIMATELY AS SHOWN (LEFT, RIGHT, ABOVE OR BELOW).
3. FOR SINGLE TRANSDUCER (NO. 1 SYSTEM) ELECTRICAL PARTS AND DATA, SEE APPENDIX B FIGURE B-1



**FIGURE A-3 (Contd.)
ANNUNCIATORS AND RELAY MOUNTS**

0070120C.dwg

A13

SDNY_GM_02757789

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244711

EFTA01329574

SDNY_GM_02757790

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244712

EFTA01329575

NOTES:

- 1. EXACT LOCATION IS DETERMINED ON INITIAL INSTALLATION BUT MUST REMAIN WITHIN SHADED AREAS SHOWN.
- 2. FOR ELECTRICAL PARTS AND DATA, SEE APPENDIX B.
- 3. WHEN INSTALLING TRANSPONDER CONTROL, MAKE CERTAIN UNIT DOES NOT INTERFERE WITH EXISTING COMPONENTS AND HARNESSSES.
- 4. THE RESISTANCE FROM THE TRANSPONDER CONTROL TO LOCAL AIRFRAME MUST NOT EXCEED 0.005 OHMS.

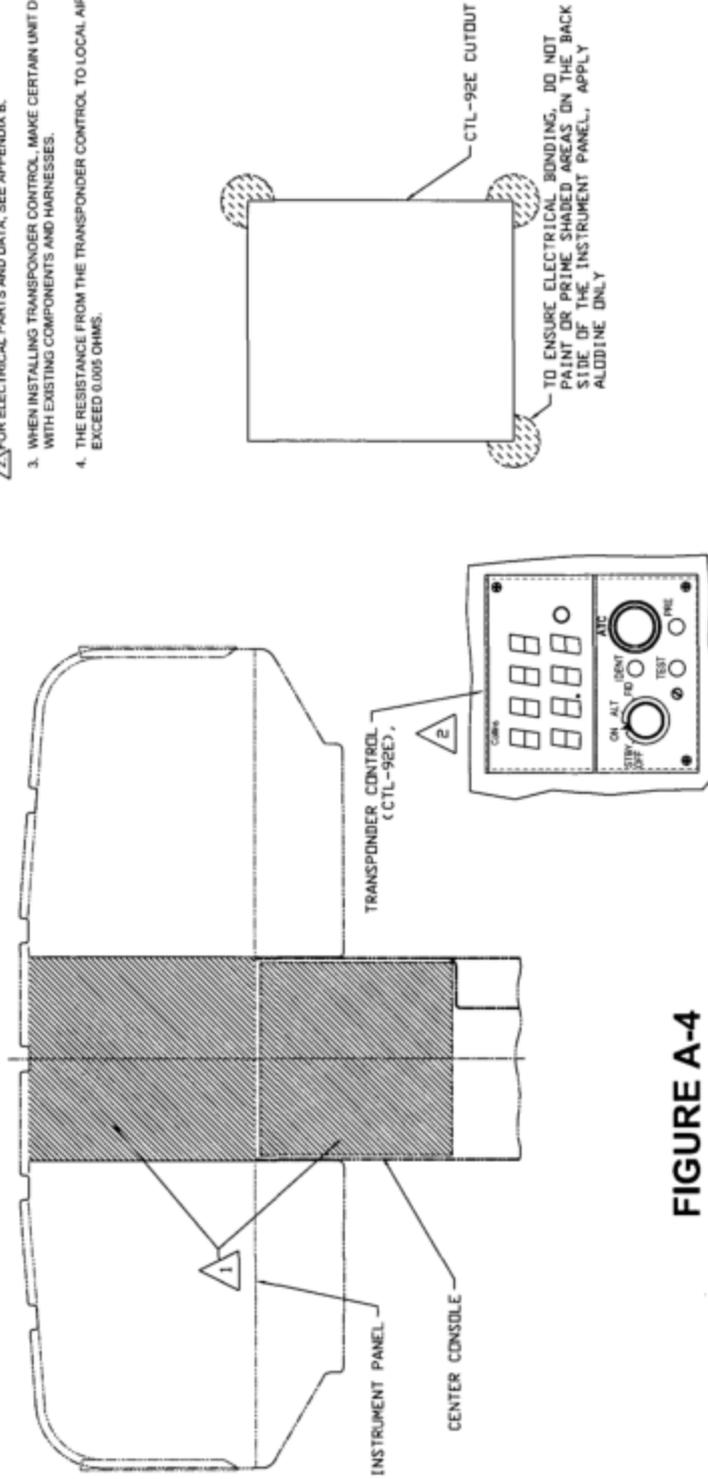


FIGURE A-4
TRANSPONDER CONTROL (CTL-92E)
INSTALLATION

0070120C.dwg

A14

SDNY_GM_02757791

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244713

EFTA01329576

SDNY_GM_02757792

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244714

EFTA01329577

APPENDIX B.

ELECTRICAL INSTALLATION INFORMATION

Appendix B Table of Contents

Title Page/Contents.....	B1
General Electrical System Notes	B1
TDR-94D Transponder System 1	
FIGURE B-1 Parts List	B2
FIGURE B-1 Electrical Drawing Notes	B4
FIGURE B-1 Decals.....	B4
FIGURE B-1	B5
FIGURE B-1 Component Locations	B9
TDR-94D Transponder System 2	
FIGURE B-2 Parts List	B10
FIGURE B-2 Electrical Drawing Notes	B12
FIGURE B-2 Decals.....	B12
FIGURE B-2	B13
FIGURE B-2 Component Locations	B17

Electrical System General Notes:

1. Abbreviations per MIL-STD-12D.
2. Unless noted otherwise, all unshielded wire per MIL-W-22759/43-**-9.
3. Unless noted otherwise, all shielded wire per MIL-C-27500-**SP-*S23.
4. As a minimum standard for workmanship, prepare, perform, and inspect electrical installations per AC 43.13-1B, Chapter 11:
 - a. General inspection and care for electrical systems per Section 1.
 - b. Select electrical wire and materials per Sections 6, 7, & 12.
 - c. Install and inspect wire and cable installations per Sections 8, 9, & 10.
 - d. Clamp wire and cable installations per Section 11.
 - e. Prepare, install, & inspect splices for wire & cable installations per Section 13.
 - f. Prepare, install, & inspect electrical bonding for mounting and components per Section 15.
 - g. Marking wiring and cables per Section 16.
 - h. Prepare unused connectors and unused wiring per Section 19.
5. Use shield terminations manufactured to military specification NAS1745, or M83519/1 or /2.
6. Install MS25274 caps to terminate and stow unused wires.
7. Install MIL-I-23053/13 Heat Shrinkable Tubing when required.
8. All installed materials are required to meet flammability per 14 CFR 29.853.
9. Wire Legend:

EXISTING ----- NEW WIRE ————— REROUTE - o - o - o - o - o

** Double asterisks correspond to wire size.

* Single asterisk corresponds to number of wires in the cable.

0070120A

B1

SDNY_GM_02757793

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244715

EFTA01329578

SDNY_GM_02757794

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244716

EFTA01329579

Figure B-1			
TDR-94D Single System, Electrical			
ITEM	QT	Part Number	Nomenclature
1	1	628-8660-001	CONNECTOR KIT
2	2	MS25036-149	TERMINAL LUG, CRIMP
3	AR	628-8664-001	BLOCK, MOUNTING
4	AR	343-0133-000	SCREW
5	AR	17-043	LAMP
6	AR	372-2514-110	CONTACT
7	AR	MS25036-103	TERMINAL LUG, CRIMP
8	6	8660-202	CONTACT
9	AR	M39029/5-115	CONTACT
10	1	M85049/52-1-20W	STRAIN RELIEF
11	AR	D-436-82	WIRE SPLICE
12	AR	372-2514-110	CONTACT
13	1	030-1975-007	CONTACT
14	AR	M39029/22-191	CONTACT
15	AR	M39029/32-259	CONTACT
16	AR	M39029/5-115	CONTACT
17	AR	M39029/22-192	CONTACT
18	1	622-9672-104	MOUNTING TRAY
19	1	PHID-1740	DECAL
20	1	95-XX-17-H1-E1BKK	ANNUNCIATOR CAP (number 1)
21	2	AG247000-01	GASKET
22	1	95-40-17	ANNUNCIATOR BODY
23	1	PHID-1757	DECAL
24	1	PHID-1913	DECAL
25	AR	M23053/13-012-0	HEAT-SHRINKABLE TUBING
26	AR	311601	COAXIAL CABLE
27	AR	M39029/22-192	CONTACT
28	AR	18-215	SEALING PLUG
29	1	M12883/53-001	MOUNTING TRACK
30	1	PHID-1915	DECAL
31	AR	M39029-101-553	CONTACT
32	1	M39029/63-368	CONTACT
33	1	PHID-1827	DECAL
34	1	PHIS76-683	DECAL
35	AR	M17/113-RG316	COAXIAL CABLE
3451CB1	1	MS3320-3	CIRCUIT BREAKER
3451CT1	1	822-1807-004	TRANSPONDER CONTROL
3451DS1	1	95-40-17-H1-E1BKK	ANNUNCIATOR ASSEMBLY (cap & body)
3451E1	1	DMNI50-6-2	ANTENNA

0070120A

B2

SDNY_GM_02757795

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244717

EFTA01329580

SDNY_GM_02757796

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244718

EFTA01329581

Figure B-1			
TDR-94D Single System, Electrical			
ITEM	QT	Part Number	Nomenclature
3451E2	1	DMN150-6-2	ANTENNA
3451K1	1	M83536/2-028M	RELAY
3451RV1	AR	714-3258-020	VARISTOR
3451TR1	1	622-9210-550	TRANSPONDER
3451W1	1	PHI-S76-13204-01	CABLE ASSEMBLY
3451XDS1	1	18-200	CONNECTOR MODULE
3451XK1	1	M12883-52-001	RELAY SOCKET
P173R	AR	634-1112-001	CONNECTOR
P1882R	AR	634-1112-001	CONNECTOR
P1883R	1	CTR922	TNC CONNECTOR
P1884R	1	CTR922	TNC CONNECTOR
P1889R	1	CNS922	TYPE N CONNECTOR
P1891R	1	CNS922	TYPE N CONNECTOR
P792R	1	MS3476W20-41SY	CONNECTOR, CRIMP CONTACTS
P792RS	1	MS3126F8-4S	CONNECTOR
TJ534-V	AR	CTJ122E01C	TERMINAL JUNCTION MODULE

QT — Quantity
 AR — As Required
 ALT — This part is an alternate to the preceding part.

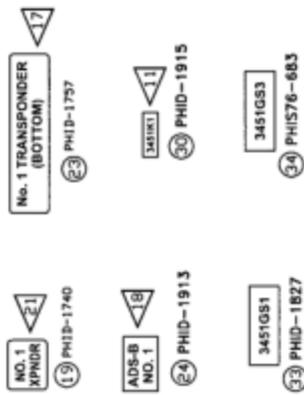
SDNY_GM_02757798

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244720

EFTA01329583

DECALS
 FIGURE B-1



NOTES
 FIGURE B-1

1. CROSS STRIP INPUT AND CROSS STRIP OUTPUT/STROBE WIRES NO. 15309A22 AND NO. 25309A22 RESPECTIVELY, ARE USED ONLY WITH DUAL TRANSPONDER INSTALLATION.
2. CROSS STRIP INPUT AND CROSS STRIP OUTPUT/STROBE WIRES NO. 15309A22 AND NO. 25309A22 RESPECTIVELY, ARE USED ONLY WITH DUAL TRANSPONDER INSTALLATION.
3. CROSS STRIP INPUT AND CROSS STRIP OUTPUT/STROBE WIRES NO. 15309A22 AND NO. 25309A22 RESPECTIVELY, ARE USED ONLY WITH DUAL TRANSPONDER INSTALLATION.
4. CROSS STRIP INPUT AND CROSS STRIP OUTPUT/STROBE WIRES NO. 15309A22 AND NO. 25309A22 RESPECTIVELY, ARE USED ONLY WITH DUAL TRANSPONDER INSTALLATION.
5. STOW WIRES NO. 15309A22 AND NO. 25309A22 IN THE CABLE ASSEMBLY, BEHIND THE NO. 1 TDR-94D TRANSPONDER RACK.
6. REFERENCE FIGURE B-2, NO. 2 TRANSPONDER SYSTEM, ROCKWELL COLLINS TERRAPAC/CLAZE WITH EXTENDED SQUITTER (ADS-B).
7. ALL SHIELD GROUNDS MUST BE CONNECTED INDIVIDUALLY TO A LOCAL SHIELD GROUND.
8. DO NOT CONNECT THE SHIELD JUMPERS IN SERIES WITH A SINGLE WIRE CONNECTED TO GROUND.
9. VERIFY THAT THE RESISTANCE FROM THE TDR-94D TRANSPONDER TO THE MOUNTING THAT DOES NOT EXCEED 0.005Ω.
10. VERIFY THAT THE RESISTANCE FROM THE TRANSPONDER MOUNTING THAT TO THE SHELL DOES NOT EXCEED 0.005Ω.
11. VERIFY THAT THE RESISTANCE FROM THE TRANSPONDER CONTROL HEAD, (C1)-PINS TO LOCAL AIRFRAME DOES NOT EXCEED 0.005Ω.
12. VERIFY THAT THE RESISTANCE FROM THE TRANSMITTER CABLE MUST BE 2/3 THE LENGTH OF THE LONGER CABLE.
13. THE MINIMUM LENGTH OF THE SHORTER CABLE MUST BE 2/3 THE LENGTH OF THE LONGER CABLE.
14. INDIVIDUAL CABLE LOSSES, INCLUDING CONNECTORS, MUST NOT BE MORE THAN 3 dB. THE MINIMUM LENGTH OF THE SHORTER CABLE MUST BE 2/3 THE LENGTH OF THE LONGER CABLE.
15. VERIFY THAT THE RESISTANCE FROM THE ANTENNA TO THE ANTENNA GROUND PLANE DOES NOT EXCEED 0.005Ω.
16. VERIFY THAT THE RESISTANCE FROM THE ANTENNA TO THE AIRFRAME DOES NOT EXCEED 0.005Ω.
17. EXISTING EQUIPMENT.
18. SEE AWIIONICS SWITCHING UNIT WIRING DIAGRAM FOR DETAILS.
19. THE METAL BRIDGE RESISTOR (400Ω) IS SUPPLIED WITH CONNECTOR KIT FOR TRANSPARENT VOLTAGE PROTECTION.
20. THE MOV IS MOUNTED ON THE RACK BUT NOT USED IN THIS INSTALLATION.
21. FOR MODE S OPERATION, EACH TDR-94D MUST HAVE AN AIRCRAFT IDENTIFICATION CODE THAT IS DIFFERENT FROM ALL OTHER AIRCRAFT IDENTIFICATION CODES. THIS CODE IS GIVEN TO THE EQUIPMENT DURING INSTALLATION. THE AIRCRAFT REGISTRATION AGENCY USES A SPECIAL PROCEDURE TO GIVE AIRCRAFT IDENTIFICATION CODES. THE FAA SUPPLIES AN DETAIL NUMBER THAT THE INSTALLER MUST CHANGE TO THE NECESSARY 24-BIT STRIP CODE. TO USE THE TABLE BELOW, YOU MUST ENTER ONE NUMBER OF THE GIVEN 8-NUMBER DETAIL CODE IN THE ASTERISK SPACES AT THE TOP OF EACH COLUMN. ENTER THE NUMBER FROM LEFT TO RIGHT IN THE ORDER SHOWN IN THE TABLE. THE NUMBER THAT YOU ENTERED MUST BE THE SAME AS THE NUMBER ENTERED IN THE TABLE. THE NUMBER AT THE TOP OF EACH COLUMN ENTER THE NUMBER FROM LEFT TO RIGHT IN THE ORDER SHOWN IN THAT COLUMN OF THE TABLE AND THE PINS THAT YOU MUST CONNECT TO GROUND FOR THAT NUMBER OF THE DETAIL NUMBER.

DETAIL DIGIT	0	1	2	3	4	5	6	7
1	P1738-21	P1738-22	P1738-23	P1738-24	P1738-25	P1738-26	P1738-27	P1738-28
2	P1738-29	P1738-30	P1738-31	P1738-32	P1738-33	P1738-34	P1738-35	P1738-36
3	P1738-37	P1738-38	P1738-39	P1738-40	P1738-41	P1738-42	P1738-43	P1738-44
4	P1738-45	P1738-46	P1738-47	P1738-48	P1738-49	P1738-50	P1738-51	P1738-52
5	P1738-53	P1738-54	P1738-55	P1738-56	P1738-57	P1738-58	P1738-59	P1738-60
6	P1738-61	P1738-62	P1738-63	P1738-64	P1738-65	P1738-66	P1738-67	P1738-68
7	P1738-69	P1738-70	P1738-71	P1738-72	P1738-73	P1738-74	P1738-75	P1738-76
8	P1738-77	P1738-78	P1738-79	P1738-80	P1738-81	P1738-82	P1738-83	P1738-84
9	P1738-85	P1738-86	P1738-87	P1738-88	P1738-89	P1738-90	P1738-91	P1738-92
0	P1738-93	P1738-94	P1738-95	P1738-96	P1738-97	P1738-98	P1738-99	P1738-00

1. CONNECT WIRES THAT MUST BE GROUNDED TO ANY AVAILABLE PIN IN TERMINAL JUNCTION Z434A, MODULE Y.
2. STOW ALL UNUSED WIRES IN THE CABLE ASSEMBLY NEAR TERMINAL JUNCTION J434A, MODULE Y.
3. STOW ALL UNUSED WIRES IN THE CABLE ASSEMBLY NEAR TERMINAL JUNCTION J434A, MODULE Y.
4. INSTALL DECAL (3451G51) NEAR THE (NO. 1) XPM FAIL/WIND RELAY.
5. ROUTE NO. 1 TDR-94D TRANSPONDER WIRES AND 15309A22-WHT AND 25309A22-BLU TO EXISTING INSTALLED ADS-B POSITION SOURCE AND TERMINATE OR SPlice AS REQUIRED.
6. REFERENCE SIKORSKY 576C MAINTENANCE MANUAL, CHAPTER 31-60-00 - INTEGRATED INSTRUMENT DISPLAY SYSTEM.
7. REFERENCE ROCKWELL COLLINS PRO LINE 11 COM/NAV/PULSE SYSTEM INSTALLATION MANUAL (CPN 503-078719) FOR ADDITIONAL DETAILS.
8. INSTALL NO. 1 TRANSPONDER (BOTTOM) DECAL IN FRONT OF TRANSPONDER RADIO.

1. INSTALL DECAL ADS-B NO. 1 NEAR THE ADS-B FAIL INDICATOR.
2. REFERENCE SIKORSKY 576C WIRING DIAGRAM MANUAL, CHAPTER 34-17-00 - AIR DATA ACCESSORY UNIT SYSTEM.
3. REFERENCE SIKORSKY 576C MAINTENANCE MANUAL, CHAPTER 34-92-00 - DISTANCE MEASURING EQUIPMENT SYSTEM.
4. INSTALL NO. 1 XPMOR DECAL ADJACENT TO THE NUMBER 1 TRANSPONDER CIRCUIT BREAKER.
5. ROUTE NO. 1 TDR-94D TRANSPONDER WIRES AND 15309A22-WHT AND NO. 25309A22-BLU TO EXISTING INSTALLED ADS-B POSITION SOURCE AND TERMINATE OR SPlice AS REQUIRED.
6. REFERENCE SIKORSKY 576C MAINTENANCE MANUAL, CHAPTER 34-91-00 - TRANSPONDER SYSTEM.
7. IF POSITION SOURCE IS SET FOR LOW SPEED DATA THEN PIN 18 MUST BE UNGROUNDED.

00701208.DWG

B4

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757800

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244722

EFTA01329585

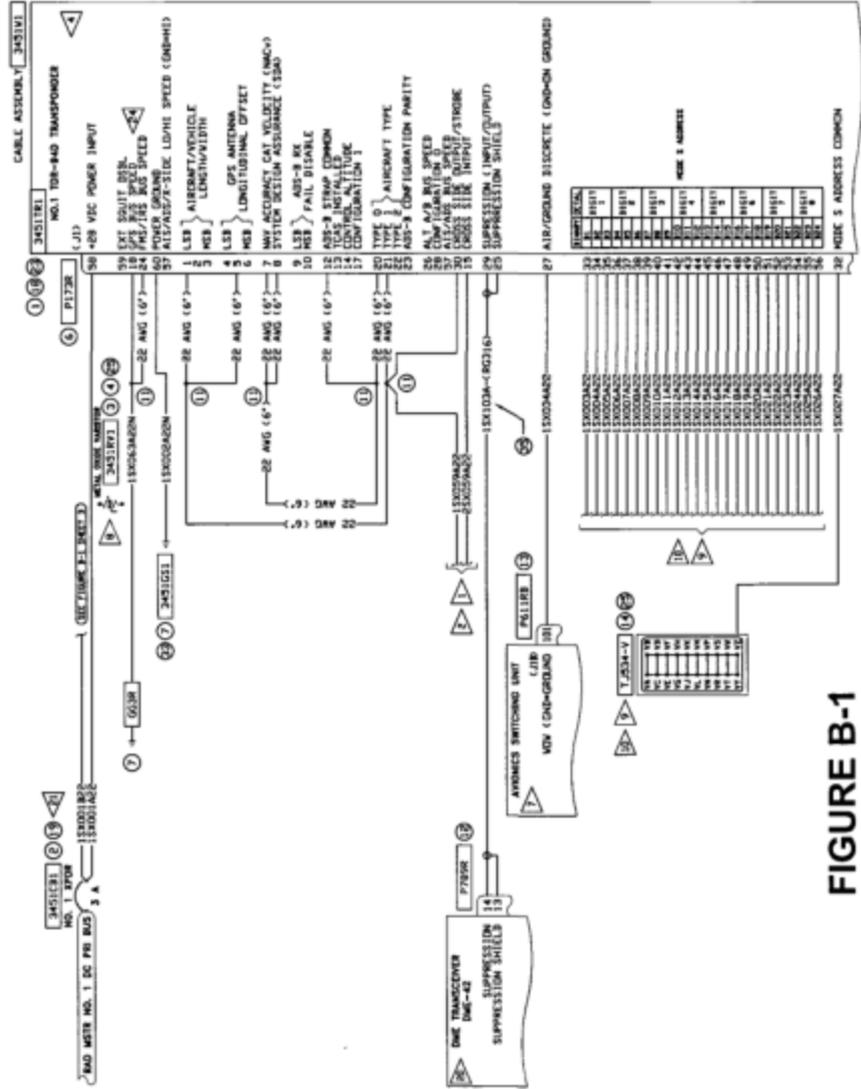


FIGURE B-1
 Transponder System 1
 SHEET 1 of 5

85

00701208.DWG

SDNY_GM_02757801

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244723

EFTA01329586

SDNY_GM_02757802

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244724

EFTA01329587

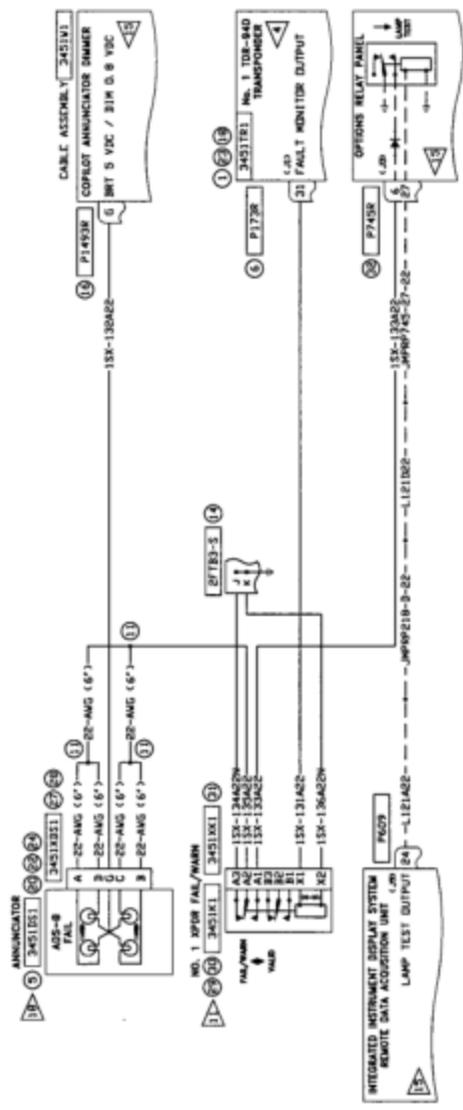


FIGURE B-1
 Transponder System 1
 ADS-B Fail Annunciator
 SHEET 2 of 5

0070120B.DWG

86

SDNY_GM_02757803

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244725

EFTA01329588

SDNY_GM_02757804

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244726

EFTA01329589

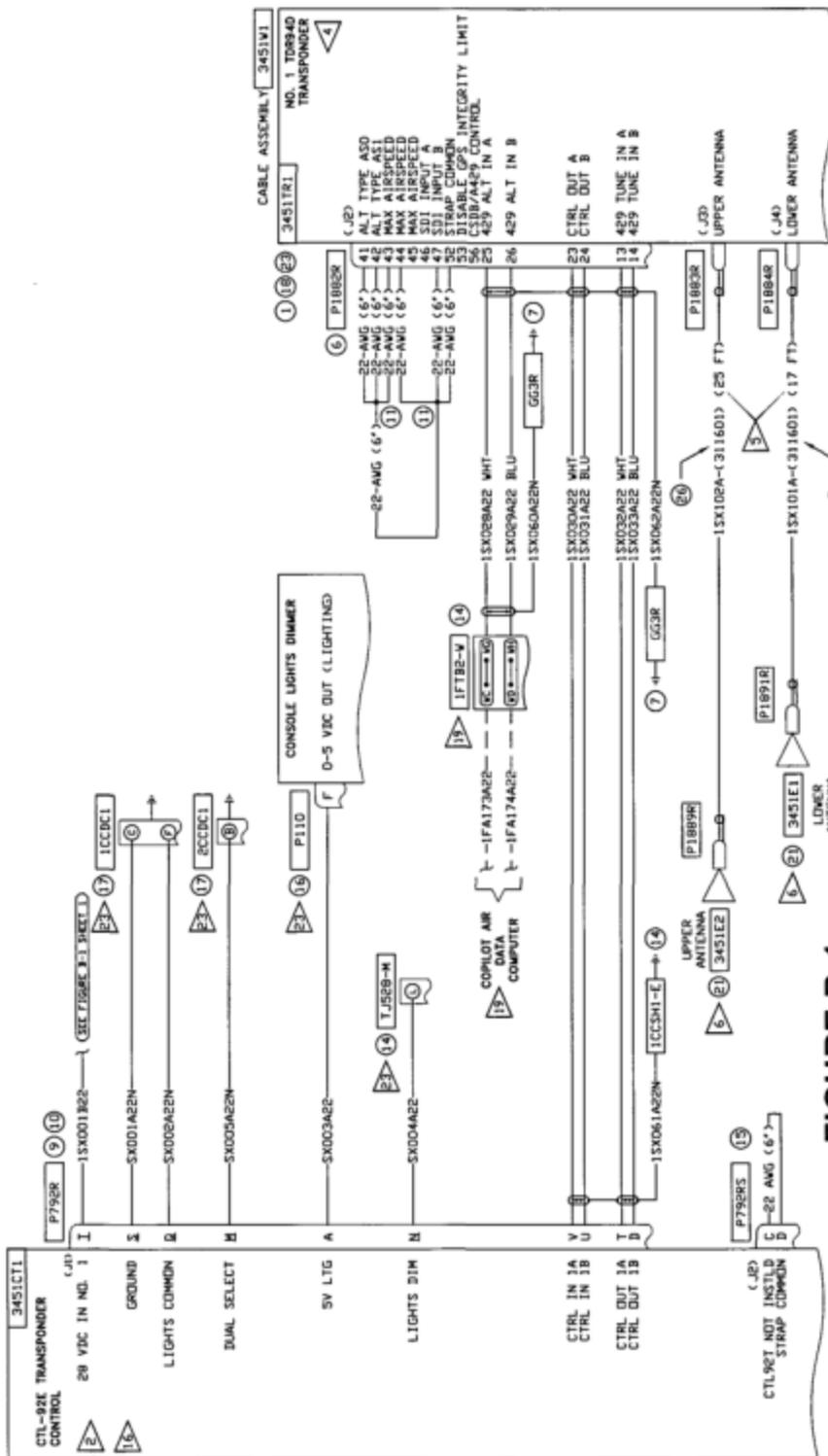


FIGURE B-1
Transponder System 1
CTL-92E Control Interface
SHEET 3 of 5

0070120B.DWG

B7

SDNY_GM_02757805

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244727

EFTA01329590

SDNY_GM_02757806

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244728

EFTA01329591

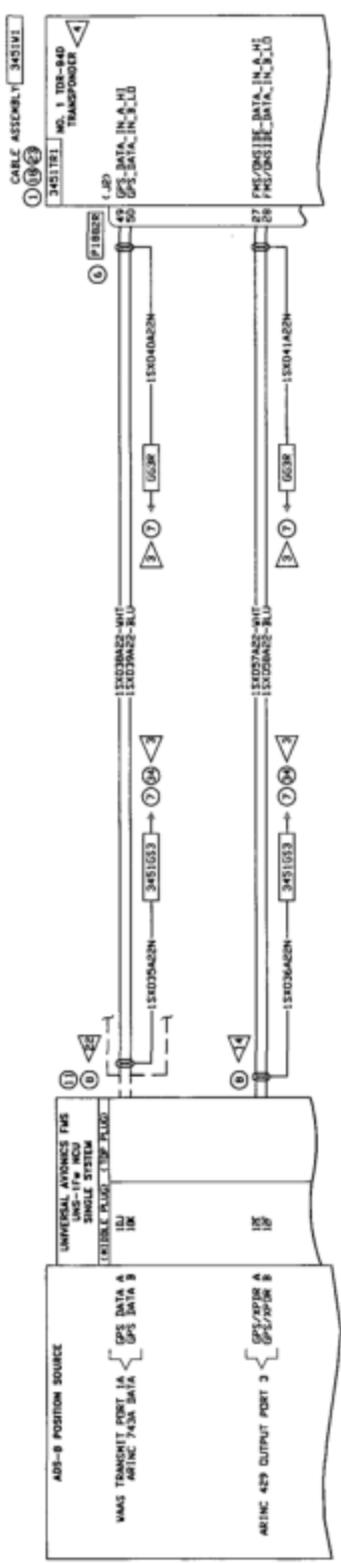


FIGURE B-1
 Transponder System 1
 UNS-1Fw Interface
 SHEET 4 of 5

06

00701206.DWG

SDNY_GM_02757807

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757808

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244730

EFTA01329593

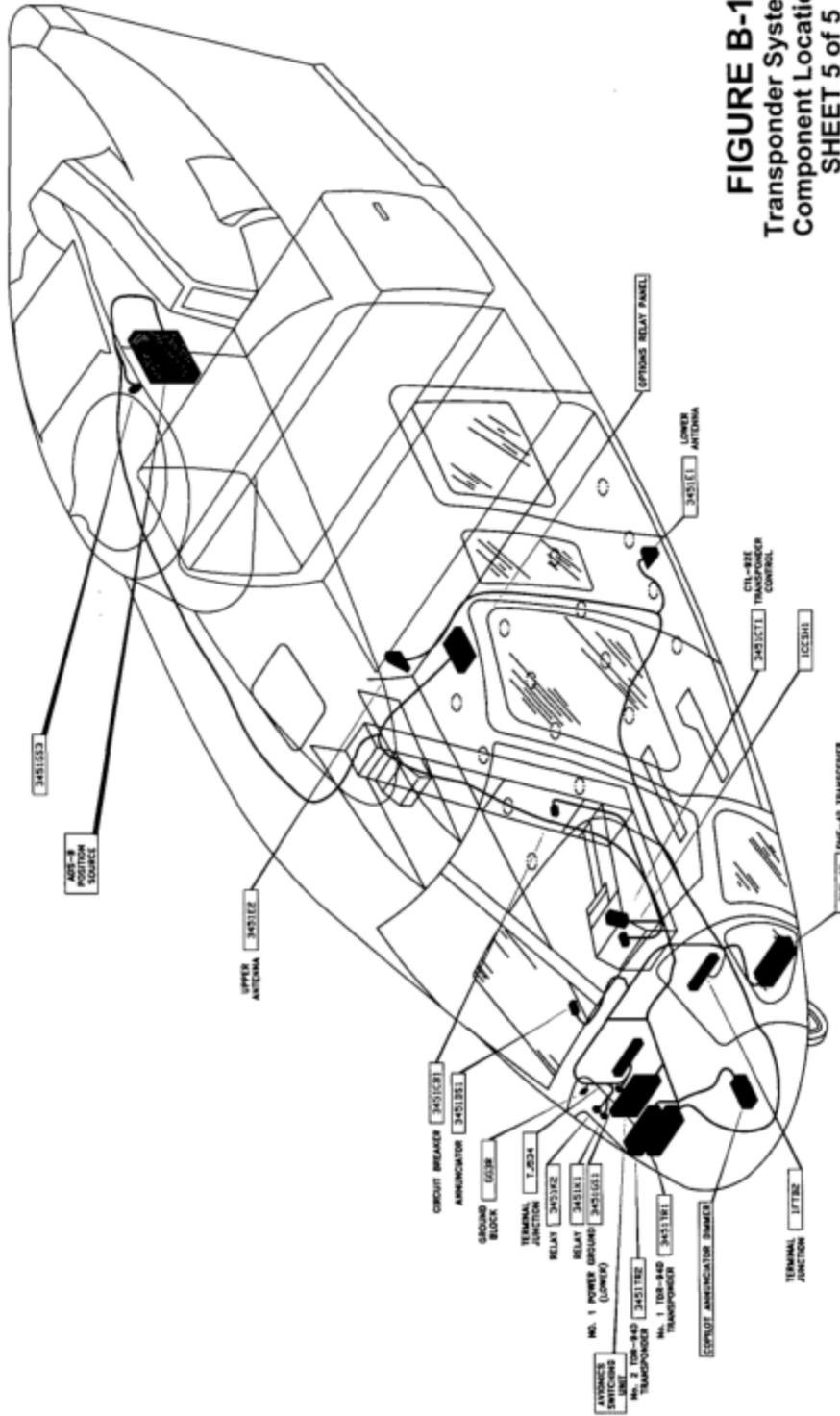


FIGURE B-1
 Transponder System 1
 Component Locations
 SHEET 5 of 5

89

00701208.DWG

SDNY_GM_02757809

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244731

EFTA01329594

SDNY_GM_02757810

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244732

EFTA01329595

Figure B-2			
TDR-94D Dual System, Electrical			
ITEM	QT	Part Number	Nomenclature
1	1	628-8660-001	MATING CONNECTOR KIT
2	2	MS25036-149	TERMINAL LUG, CRIMP
3	AR	628-8664-001	BLOCK, MOUNTING
4	AR	343-0133-000	SCREW
5	AR	17-043	LAMP
6	AR	372-2514-110	CONTACT
7	10	MS25036-103	TERMINAL LUG, CRIMP
8	1	PHID-1828	DECAL
9	AR	M39029/5-115	CONTACT
10	1	M39029/63-368	CONTACT
11	15	D-436-82	WIRE SPLICE
12	1	D-436-83	WIRE SPLICE
13	1	030-1975-007	CONTACT
14	AR	M39029/22-191	CONTACT
15	AR	M39029-101-553	CONTACT
16	1	M39029/5-115	CONTACT
17	1	PHID-1916	DECAL
18	1	622-9672-104	MOUNTING TRAY
19	1	PHID-1741	DECAL
20	1	95-XX-17-H1-E1BKL	ANNUNCIATOR CAP (number 2)
21	2	AG247000-01	GASKET
22	1	95-40-17	ANNUNCIATOR BODY
23	1	PHID-1756	DECAL
24	1	PHID-1914	DECAL
25	AR	M23053/13-012-0	HEAT-SHRINKABLE TUBING
26	AR	311601	COAXIAL CABLE
27	AR	M39029/22-192	CONTACT
28	AR	18-215	SEALING PLUG
29	1	M12883/53-001	MOUNTING TRACK
30	AR	M17/113-RG316	COAXIAL CABLE
3451CB2	1	MS3320-3	CIRCUIT BREAKER
3451CT1	AR	822-1807-004	TRANSPONDER CONTROL
3451DS2	1	95-40-17-H1-E1BKL	ANNUNCIATOR ASSEMBLY (cap & body)
3451E3	1	DMN150-6-2	ANTENNA
3451E4	1	DMN150-6-2	ANTENNA
3451K2	1	M83536/2-028M	RELAY
3451RV2	AR	714-3258-020	VARISTOR
3451TR2	1	622-9210-550	TRANSPONDER
3451W2	1	PHI-S76-13205-01	CABLE ASSEMBLY
3451XDS2	1	18-200	CONNECTOR MODULE
3451XK2	1	M12883-52-001	RELAY SOCKET

0070120A

B10

SDNY_GM_02757811

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244733

EFTA01329596

SDNY_GM_02757812

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244734

EFTA01329597

Figure B-2			
TDR-94D Dual System, Electrical			
ITEM	QT	Part Number	Nomenclature
P171R	AR	634-1112-001	CONNECTOR
P1885R	1	CTR922	TNC CONNECTOR
P1886R	AR	634-1112-001	CONNECTOR
P1887R	1	CTR922	TNC CONNECTOR
P1890R	1	CNS922	TYPE N CONNECTOR
P1892R	1	CNS922	TYPE N CONNECTOR
P792R	AR	MS3476W20-41SY	CONNECTOR, CRIMP CONTACTS
TJ534-X	AR	CTJ122E01C	TERMINAL JUNCTION MODULE

QT — Quantity
 AR — As Required
 ALT — This part is an alternate to the preceding part

0070120A

B11

SDNY_GM_02757813

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244735

EFTA01329598

SDNY_GM_02757814

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244736

EFTA01329599

**NOTES
FIGURE B-2**

NOTES:

△ THE METAL OXIDE VARISTOR (MOV) IS FOR TRANSIENT VOLTAGE PROTECTION. THE MOV IS MOUNTED ON THE BACK BUT NOT USED IN THIS INSTALLATION.

△ REFERENCE FIGURE B-1, NO. 1 TRANSPOUNDER SYSTEM, ROCKWELL COLLINS TER-942/CTL-95E WITH EXTENDER ISOLITER (ABS-B).

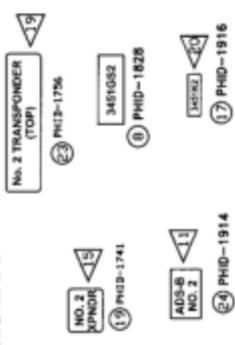
△ FOR MODE S OPERATION, EACH TER-940 MUST HAVE AN AIRCRAFT IDENTIFICATION CODE THAT IS DIFFERENT FROM ALL OTHER AIRCRAFT IDENTIFICATION CODES. THIS CODE IS GIVEN TO THE EQUIPMENT MANUFACTURER AND IS IDENTIFIED ON THE AIRCRAFT IDENTIFICATION CODE LABEL. TO ASSIGN A DIFFERENT IDENTIFICATION CODE TO THE TER-940, THE IDENTIFICATION CODE MUST BE CHANGED TO THE NECESSARY 24-BIT STAMP CODE. TO USE THE TABLE BELOW, YOU MUST ENTER ONE NUMBER OF THE GIVEN 8-NUMBER DECIMAL CODE IN THE ASTERISK SPACES AT THE TOP OF EACH COLUMN. ENTER THE NUMBERS FROM LEFT TO RIGHT IN THE SEQUENCE GIVEN. THEN, READ DOWN EACH COLUMN TO THE ROW THAT HAS THE SAME NUMBER AS THE NUMBER YOU ENTERED IN THE ASTERISK SPACES AT THE TOP OF THAT COLUMN. THE CONFIGURATION STAMP PINS THAT SHOW IN THAT CELL OF THE TABLE ARE THE PINS THAT YOU MUST CONNECT TO GROUND FOR THAT NUMBER OF THE DECIMAL NUMBER.

DECIMAL DIGIT		DECIMAL NUMBER CONVERSION TO 24-BIT STAMP CODE (P1719)							
0	1	2	3	4	5	6	7	8	9
NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
P1718-39	P1718-38	P1718-41	P1718-44	P1718-47	P1718-50	P1718-53	P1718-56	P1718-59	P1718-62
P1718-34	P1718-37	P1718-40	P1718-43	P1718-46	P1718-49	P1718-52	P1718-55	P1718-58	P1718-61
P1718-29	P1718-32	P1718-35	P1718-38	P1718-41	P1718-44	P1718-47	P1718-50	P1718-53	P1718-56
P1718-24	P1718-27	P1718-30	P1718-33	P1718-36	P1718-39	P1718-42	P1718-45	P1718-48	P1718-51
P1718-19	P1718-22	P1718-25	P1718-28	P1718-31	P1718-34	P1718-37	P1718-40	P1718-43	P1718-46
P1718-14	P1718-17	P1718-20	P1718-23	P1718-26	P1718-29	P1718-32	P1718-35	P1718-38	P1718-41
P1718-9	P1718-12	P1718-15	P1718-18	P1718-21	P1718-24	P1718-27	P1718-30	P1718-33	P1718-36
P1718-4	P1718-7	P1718-10	P1718-13	P1718-16	P1718-19	P1718-22	P1718-25	P1718-28	P1718-31
P1718-3	P1718-6	P1718-9	P1718-12	P1718-15	P1718-18	P1718-21	P1718-24	P1718-27	P1718-30
P1718-2	P1718-5	P1718-8	P1718-11	P1718-14	P1718-17	P1718-20	P1718-23	P1718-26	P1718-29
P1718-1	P1718-4	P1718-7	P1718-10	P1718-13	P1718-16	P1718-19	P1718-22	P1718-25	P1718-28
P1718-0	P1718-3	P1718-6	P1718-9	P1718-12	P1718-15	P1718-18	P1718-21	P1718-24	P1718-27

- △ 1. CONNECT WIRES THAT MUST BE GROUNDED TO ANY AVAILABLE PIN IN TERMINAL JUNCTION PAKSA, MODEL X.
- △ 2. CAP AND STOW ALL UNUSED WIRES IN THE CABLE ASSEMBLY NEAR TERMINAL JUNCTION 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
- △ 1. VERIFY THAT THE RESISTANCE FROM THE TER-940 TRANSPOUNDER TO THE MOUNTING THAT DOES NOT EXCEED 0.002Ω.
- △ 2. VERIFY THAT THE RESISTANCE FROM THE TER-940 TRANSPOUNDER TO THE MOUNTING THAT DOES NOT EXCEED 0.002Ω.
- △ 3. VERIFY THAT THE RESISTANCE FROM THE TER-940 TRANSPOUNDER TO THE MOUNTING THAT DOES NOT EXCEED 0.002Ω.
- △ 1. ALL SHIELD GROUNDS MUST BE CONNECTED INDIVIDUALLY TO LOCAL SHIELD GROUNDS.
- △ 2. DO NOT CONNECT THE SHIELD JUMPER IN SERIES WITH A SINGLE WIRE CONNECTED TO GROUND.
- △ 1. SELECT ANTENNA SWITCHING UNIT FOR DETAILS.
- △ 2. VERIFY THAT THE RESISTANCE FROM THE ANTENNA TO THE ANTENNA GROUND PLANE DOES NOT EXCEED 0.002Ω.
- △ 3. VERIFY THAT THE RESISTANCE FROM THE ANTENNA TO THE AIRFRAME DOES NOT EXCEED 0.002Ω.
- △ 1. INDIVIDUAL CABLE LOSS, INCLUDING CONNECTORS, MUST NOT BE MORE THAN 3 dB. 30 FEET IS THE MAXIMUM CABLE LENGTH FOR ECS 311402 COAXIAL CABLE.
- △ 2. THE DIFFERENCE IN SIGNAL LOSS BETWEEN THE TWO CABLES MUST NOT BE MORE THAN 1dB.
- △ 3. THE MINIMUM LENGTH OF THE SHORTER CABLE MUST BE 2/3 THE LENGTH OF THE LONGER CABLE.
- △ REFERENCE ROCKWELL COLLINS PHO LINE 11 COMM/NAV/PULSE SYSTEM INSTALLATION MANUAL, (COM 925-072115) FOR ADDITIONAL DETAILS.

- △ INSTALL DECAL ABS-B No. 8 NEAR THE ABS-B FAULT ANNUNCIATOR.
- △ REFERENCE SIKORSKY STAC WIRING DIAGRAM MANUAL, CHAPTER 34-17-00 - AIR DATA ACCESSORY UNIT SYSTEM.
- △ CROSS SIZE INPUT AND CROSS SIZE OUTPUT/STROBE. WIRES NO. 152039A22 AND NO. 152039A22 RESPECTIVELY, ARE USED ONLY WITH BNA TRANSPOUNDER INSTALLATION.
- △ LOCATE STAMPED EXISTING WIRES NO. 253039A22 AND NO. 152039A22 IN THE CABLE ASSEMBLY, BEHIND THE NO. 1 TER-940 TRANSPOUNDER BACK.
- △ SPALICE WIRE NO. 253039A22 TO CONNECTOR P1719, CONTACTS (1), (3) AND (21), THEN WIRE AS SHOWN TO CONNECTOR P1719, CONTACT (30).
- △ CONNECT WIRE NO. 152039A22 TO CONNECTOR P1719, CONTACT (15).
- △ REFERENCE SIKORSKY STAC WIRING DIAGRAM MANUAL, CHAPTER 34-02-00 - DISTANCE MEASURING EQUIPMENT SYSTEM.
- △ INSTALL NO. 2 SPAR DECAL ADJACENT TO THE NUMBER 1 TRANSPOUNDER CIRCUIT BREAKER.
- △ ROUTE NO. 2 TER-940 TRANSPOUNDER WIRES NO. 253039A22-WHT AND NO. 253039A22-BLU TO EXISTING NO. 1 TER-940 TRANSPOUNDER CABLE ASSEMBLY AND WIRE AS SHOWN.
- △ REFERENCE SIKORSKY STAC MAINTENANCE MANUAL, CHAPTER 31-60-00 - INTEGRATED INSTRUMENT DISPLAY SYSTEM.
- △ INSTALL NO. 2 TRANSPOUNDER (TOP) DECAL IN FRONT OF TRANSPOUNDER RADIO.
- △ INSTALL DECAL (3451052) NEAR THE (NO. 2) 3P250 FAIL/WARN RELAY.
- △ ROUTE NO. 8 TER-940 TRANSPOUNDER WIRES NO. 253039A22-WHT AND NO. 253039A22-BLU TO EXISTING NO. 1 TER-940 TRANSPOUNDER CABLE ASSEMBLY AND WIRE AS SHOWN.
- △ IF POSITION SOURCE IS SET FOR LOW SPEED DATA THEN PIN 10 MUST BE UNGROUNDED.

**DECALS
FIGURE B-2**



SDNY_GM_02757816

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244738

EFTA01329601

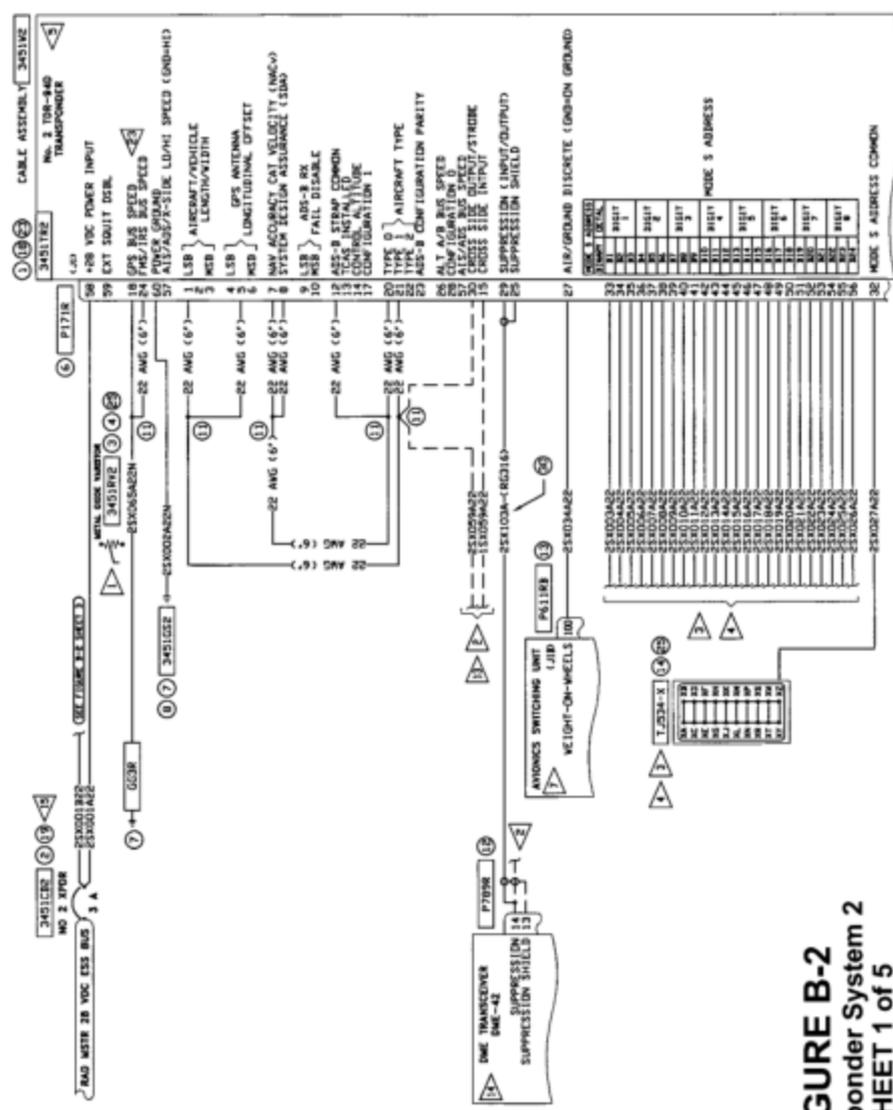


FIGURE B-2
 Transponder System 2
 SHEET 1 of 5

B13

0070120B.DWG

SDNY_GM_02757817

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244739

EFTA01329602

SDNY_GM_02757818

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244740

EFTA01329603

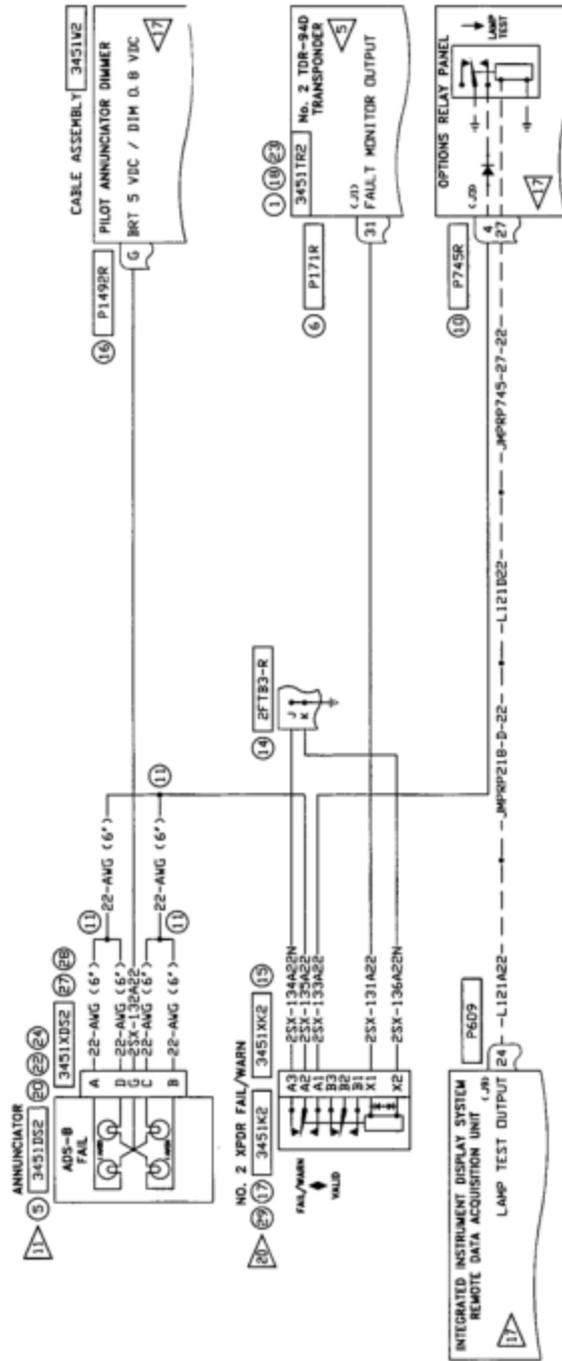


FIGURE B-2
Transponder System 2
ADS-B Fail Annunciator
SHEET 2 of 5

0070120B.DWG

B14

SDNY_GM_02757819

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244741

EFTA01329604

SDNY_GM_02757820

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244742

EFTA01329605

SDNY_GM_02757822

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244744

EFTA01329607

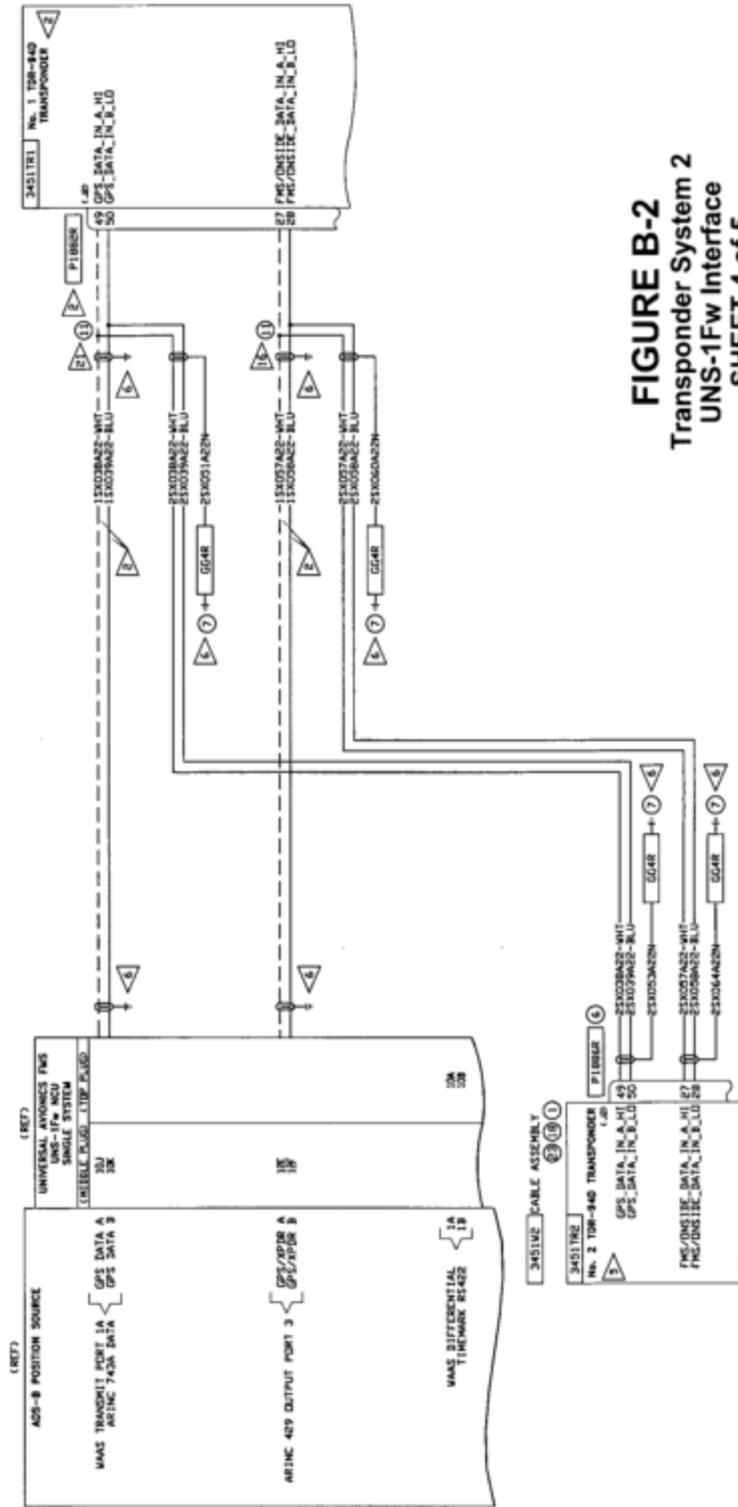


FIGURE B-2
 Transponder System 2
 UNS-1Fw Interface
 SHEET 4 of 5

B16

00701208.DWG

SDNY_GM_02757823

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244745

EFTA01329608

SDNY_GM_02757824

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244746

EFTA01329609

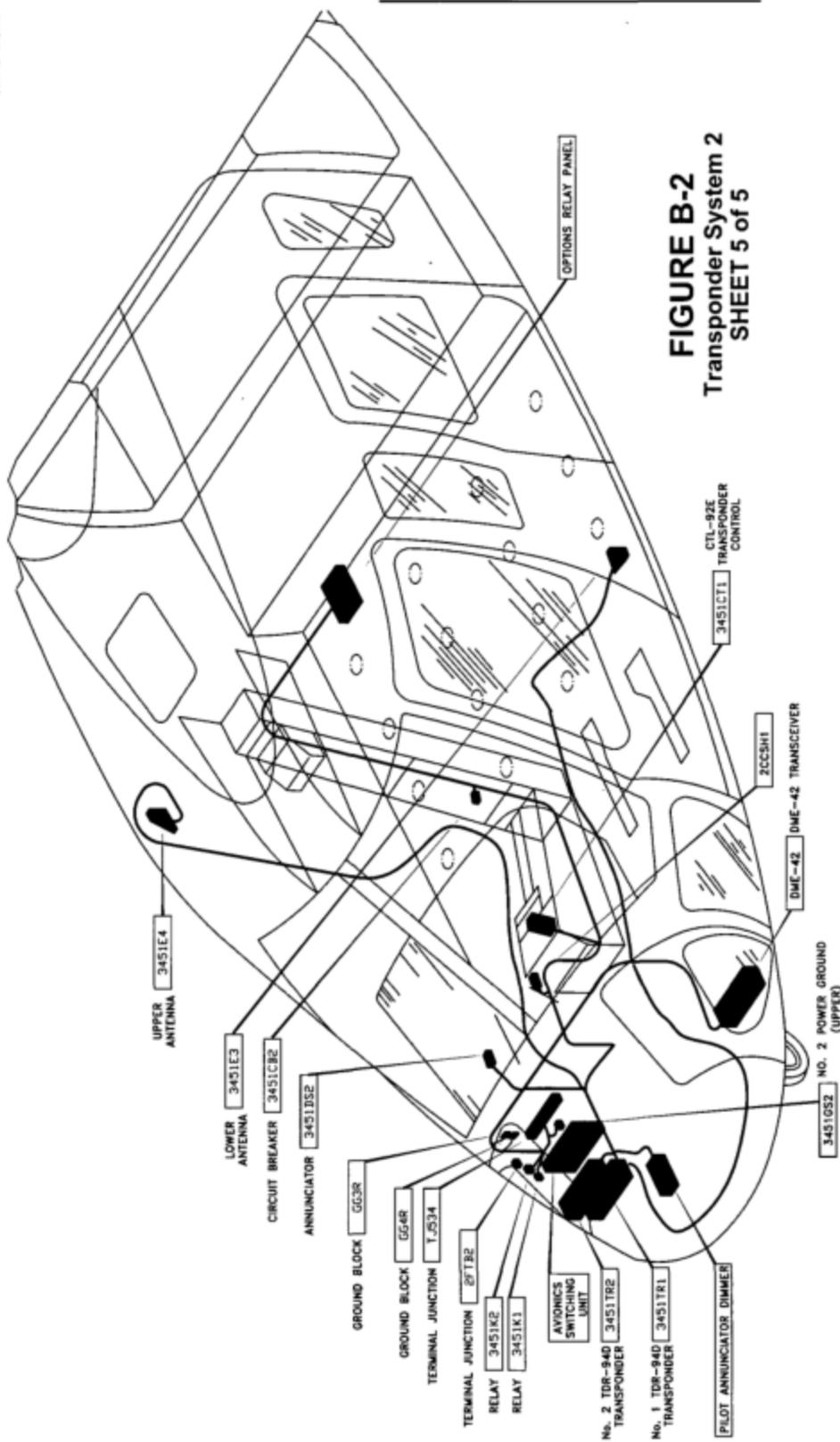


FIGURE B-2
 Transponder System 2
 SHEET 5 of 5

B17

00701208.DWG

SDNY_GM_02757825

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757826

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244748

EFTA01329611



Federal Aviation Administration
Aircraft Registration Branch, AFS-750
P.O. Box 25504
Oklahoma City, OK 73125

Attn:

Please find enclosed FAA Form 337 for the following aircraft:

Registration: N722JE
Make: Keystone Helicopters
Model: S-76C
Serial No.: 760750

Thank You,

A handwritten signature in black ink, appearing to read "John Driscoll", written in a cursive style.

John Driscoll
Pro Star Aviation
Manchester Airport
5 Industrial Drive
Londonderry, NH 03053

E-mail: [REDACTED]
(603) 627-7827 Voice
[REDACTED] Fax

Pro Star Aviation, LLC., 5 Industrial Drive, Londonderry, NH 03053 U.S.A.
Bus: (603) 627.7827 | Fax: (603) 627.7801 | prostaraviation.com

CRS #P6UR006Y
STC ODA #ODA-833063-NE

SDNY_GM_02757827

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244749

EFTA01329612

SDNY_GM_02757828

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244750

EFTA01329613



**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 N722JE	Serial No. 760750
	Make SIKORSKY	Model S-76
2. Owner	Name (As shown on registration certificate) ASI WINGS	Address (As shown on registration certificate) 151 FARMINGTON AVE
		City HARTFORD State CT Zip 06156-0001 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Steve Jablonski	Address 33 Barrett road	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
City Enfield State CT	Zip 06082 Country USA	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	A+P 3529533
		<input type="checkbox"/> 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 <input type="checkbox"/>	Signature/Date of Authorized Individual Steve Jablonski 07/18/2013
--	--

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	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. IA 3624479	Signature/Date of Authorized Individual Charles Breese 07/18/2013
--	---

FAA Form 337 (10-06)

SDNY_GM_02757829

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244751

EFTA01329614

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.)

N722JE

07/12/2013

Nationality and Registration Mark

Date

TT: 857.2

Complied with Sikorsky aircraft corporation mandatory alert service bulletin No.76-76-7 Title: Engine Control- One time incorporation of friction devices within the engine control quadrant assembly.

Performed engine control lever lever friction check, throttle position check, and engine control quadrant re-identification. All work done IAW Sikorsky ASB 76-76-7 instructions.

No change to weight and balance.

See attached ASB for details.

Charles Breese IA 3624479

End-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757830

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244752

EFTA01329615



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 United States Of America N722JE	Serial No. 760750
	Make Sikorsky	Model S76 Series C++
2. Owner	Name (As shown on registration certificate) ASI Wings LLC	Address (As shown on registration certificate) 151 Farmington Ave
		City Hartford State CT Zip 06156-0001 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type _____		
			Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Associated Aircraft Group Inc	Address 32 Griffith Way, Dutchess County Airport	City Wappingers Falls State New York	Zip 12590 Country USA
		<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	<input type="checkbox"/> C. Certificate No.
		<input checked="" type="checkbox"/> Certificated Repair Station	FAA CRS-AYPR340S
		<input type="checkbox"/> Certificated Maintenance Organization	Limited Airframe S76

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 <input type="checkbox"/>	Signature/Date of Authorized Individual <i>Michael Hage</i> Michael Hage, April 29, 2013
--	--

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 <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. FAA CRS-AYPR340S	Signature/Date of Authorized Individual <i>Tony Tirone</i> Tony Tirone, April 29, 2013
---	--

FAA Form 337 (10-06)

SDNY_GM_02757831

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244753

EFTA01329616

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.)

U.S.A N722JE

April 29, 2013

Nationality and Registration Mark

Date

Repair to Sikorsky S76C, N722JE, 760750 @ Aircraft TSN: 763.5

Removed original equipment Marathon #SP-376, Ni-Cad battery P/N: 30596-0001, S/N: 9702342 @ STA 264, -83-lbs and installed FAA/PMA Concorde Battery, Valve Regulated, Sealed Lead Acid Battery, P/N: RG-380E/44, S/N: 40545254, in accordance with Falcon Crest Aviation Supply, STC #SR09050RC, per the supplied S76 Installation Instructions and Drawing List #1, @ STA 264, +86-lbs an increase of +3-lbs.

The Aircraft Weight And Balance Chart-A and Chart-C has been revised to incorporate the +3-lb weight increase for this alteration.

The Falcon Crest Rotorcraft Flight Manual Supplement has been incorporated into the Flight Manual.

A copy of the Concorde Battery Corporation, Instructions for continued Airworthiness, Component Maintenance Manual No: 5-0171, has been provided and incorporated into the maintenance inspection program.

A copy of the Concorde Battery Corporation, RG-Series Battery Owner & Operator Manual No: 5-0324, has been provided.

Aircraft Total Time: 763.50
Landings: 1,528

Pertinent details of this repair are of file at this repair station, Associated Aircraft Group, FAA CRS-AYPR340S Under Work Order # 4223-04-2013.

-----NOTHING FOLLOWS-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757832

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244754

EFTA01329617

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

Number SR09050RC

This Certificate issued to Falcon Crest Aviation Supply, Inc.
7798 Braniff
Houston, Texas 77061

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 29 of the Federal Aviation Regulations.

Original Product - Type Certificate Number: H1NE
Make: Sikorsky
Model: S-76A, B, C

Description of Type Design Change: Installation of Concorde valve regulated sealed lead acid battery P/N RG380E/40 in accordance with Falcon Crest Aviation Supply, Inc. S-76 drawing number 1, dated September 22, 1995, or later FAA approved revision.

Limitations and Conditions: Rotorcraft Flight Manual Supplement (RFMS) dated November 3, 1995, or later FAA approved RFMS must be installed. Compatibility of this design change with previously approved modifications must be determined by the installer.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 30, 1995

Date reissued:

Date of issuance: November 3, 1995

Date amended:



By direction of the Administrator

Carl F. Mittag
(Signature)
Carl F. Mittag, Manager,
Rotorcraft Certification Office,
Southwest Region

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

FAA Form 8110-2(10-68)

This certificate may be transferred in accordance with FAR 21.47.

SDNY_GM_02757833

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244755

EFTA01329618

SDNY_GM_02757834

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244756

EFTA01329619

CONCORDE BATTERY CORPORATION
COMPONENT MAINTENANCE MANUAL
RG® SERIES MAIN AIRCRAFT BATTERY

TESTING AND FAULT ISOLATION

1. Capacity Testing to Verify Continued Airworthiness
 - A. Batteries Used to Start Turbine Engines:
 1. Operating less than 1000 hours per year.
 - a. Initial check at 12 months after initial installation (± 1 month).
 - b. As long as the capacity is above 90%, subsequent capacity checks every 6 months in service (± 1 month).
 - c. If the capacity is between 85 and 90%, subsequent checks every 3 months in service (± 1 month).
 - d. If the capacity is less than 85%, remove battery from service.
 2. Operating 1000 hours per year or more:
 - a. Initial check at 1000 hours after initial installation (± 100 hours).
 - b. As long as the capacity is above 90%, subsequent capacity checks every 500 hours in service (± 100 hours).
 - c. If the capacity is between 85 and 90%, subsequent checks every 250 hours in service (± 100 hours).
 - d. If the capacity is less than 85%, remove battery from service.
 - B. Batteries Not Used to Start Turbine Engines:
 1. Operating less than 1000 hours per year:
 - a. Initial check at 12 months after initial installation (± 1 month).
 - b. As long as the capacity is above 90%, subsequent capacity checks every 12 months in service (± 1 month).
 - c. If the capacity is between 85 and 90%, subsequent checks every 6 months in service (± 1 month).
 - d. If the capacity is less than 85%, remove battery from service.
 2. Operating 1000 hours per year or more:
 - a. Initial check at 1000 hours after initial installation (± 100 hours).
 - b. As long as the capacity is above 90%, subsequent capacity checks every 1000 hours in service (± 100 hours).
 - c. If the capacity is between 85 and 90%, subsequent checks every 500 hours in service (± 100 hours).
 - d. If the capacity is less than 85%, remove battery from service.

NOTES:

1. THE CAPACITY CHECK INTERVALS SPECIFIED ABOVE ARE GENERAL RECOMMENDATIONS SUITABLE FOR MOST APPLICATIONS. THE INTERVALS MAY BE ADJUSTED FOR A SPECIFIC AIRCRAFT OR FLEET ONCE THE AVERAGE BATTERY LIFE IS ESTABLISHED.

2. CAPACITY CHECKS ARE OPTIONAL IF THE BATTERY'S FUNCTIONALITY DOES NOT AFFECT AIRWORTHINESS OF THE AIRCRAFT.

24-30-71

Page 101
Mar 15/2012

SDNY_GM_02757835

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244757

EFTA01329620

SDNY_GM_02757836

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244758

EFTA01329621

Falcon Crest Aviation Supply, Inc.
7798 Braniff
Houston, Texas 77061

FLIGHT MANUAL SUPPLEMENT

FOR

SIKORSKY MODEL NUMBERS
S-76 A, B & C

WITH

CONCORDE RG380E/40 BATTERIES

REGISTRATION NO: N722JE
SERIAL NO: 760750

This supplement shall be attached to the Sikorsky S-76 A,B,&C, FAA approved flight manual when the Concorde RG380E/40 batteries has been installed in accordance with STC# SR09050RC

The information contained herein supplements the information of the basic flight manual. For Limitations, Procedures and Performance Data not contained in this supplement, consult the basic flight manual.

LIMITATIONS:

Any limitations regarding nickel-cadmium battery operations are no longer applicable. Placards indicating that lead acid batteries are now in use must be installed.

NORMAL OPERATING PROCEDURES:

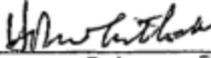
Any procedures regarding nickel-cadmium battery operations are no longer applicable.

EMERGENCY PROCEDURES - BATTERY OVERHEAT:

The battery overheat warning system has been made inoperative with lead acid batteries installed in place of nickel-cadmium batteries, and these emergency procedures are no longer applicable.

PERFORMANCE DATA:

No change

F.A.A. APPROVED: 
for Manager Rotorcraft Certification Office
Federal Aviation Admin.

FAA APPROVED:

SDNY_GM_02757837

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244759

EFTA01329622

SDNY_GM_02757838

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244760

EFTA01329623

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS N722JE	2. MANUFACTURER AND MODEL Keystone Helicopter Corporation S-76C	3. AIRCRAFT SERIAL NUMBER 760350	4. CATEGORY Transport
5. AUTHORITY AND BASIS FOR ISSUANCE This airworthiness certificate is issued pursuant to Federal Aviation Regulations and certifies that, as of the date of issuance, the aircraft to which it has been issued has been inspected and found to conform to the type certificate therefor, to be in condition for operation, and has been shown to meet the requirements of applicable Federal Aviation Regulations and detailed airworthiness code provided by Annex B to the Convention on International Civil Aviation, except as noted herein. Exemptions: <p style="text-align: center;">NONE</p>			
6. TERMS AND CONDITIONS Unless proper surveillance, inspection, records, or other procedures are otherwise established by the Administrator, this airworthiness certificate is valid as long as the maintenance, preservation, performance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as applicable, and the aircraft is registered in the United States.			
DATE OF ISSUANCE R-12/08/2008	FAA REPRESENTATIVE FULTON SHAW	DESIGNATION NUMBER EA-FSDO-63	

Any alteration, reproduction, or misuse of this certificate may be deemed to be a violation of Federal Aviation Regulations.

FAA Form 8100-2 (9-80) U.S. GPO: 2001 - 699-405

SDNY_GM_02757839

T TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15,

EFTA_00244761

SDNY_GM_02757840

T TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15,

EFTA_00244762

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS N750A	2. MANUFACTURER AND MODEL Keystone Helicopter Corporation S476C	3. AIRCRAFT SERIAL NUMBER 60750	4. CATEGORY Transport
5. AUTHORITY AND BASIS FOR ISSUANCE <small>This airworthiness certificate is issued pursuant to the provisions of Title 14 of the Code of Federal Regulations 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 for applicable compliance and detailed airworthiness code as provided by Annex B to the Certification or Interim Certification, except as noted below.</small>			
6. TERMS AND CONDITIONS <small>Unless sooner suspended, suspended, annulled, or otherwise terminated by the Administrator, this airworthiness certificate is valid as long as the aircraft is maintained in accordance with the applicable maintenance and alterations performed in accordance with Parts 21, 43, and 89 of the Federal Aviation Regulations, as applicable, and the aircraft is registered in the United States.</small>			
DATE OF ISSUANCE Dec 08, 2008	FAA REGIONAL OFFICE <i>[Signature]</i> FAA	DESIGNATION NUMBER BARF844001NE	

Any 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.

FAA Form 8100-2 (8-82) GPO U.S. GOVERNMENT PRINTING OFFICE 2008-580-540

SDNY_GM_02757841

T TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15,

EFTA_00244763



SDNY_GM_02757842

TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15

EFTA_00244764

 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 N722JE		Serial No. 760750	
	Make KEYSTONE HELICOPTER		Model S-76C	Series
2. Owner	Name (As shown on registration certificate) FREEDOM AIR INTERNATIONAL INC		Address (As shown on registration certificate) Address 103 EQUIL K RD STE 202	
			City WILMINGTON State DE	Zip 19803-3742 Country USA
3. For FAA Use Only				
3. For FAA Use Only				
4. Type		5. Unit Identification		
Repair	Alteration	Unit	Make	Model
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT		
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER		
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	
			Manufacturer	
6. Conformity Statement				
A. Agency's Name and Address			B. Kind of Agency	
Name Pro Star Aviation			<input type="checkbox"/> U. S. Certificated Mechanic	
Address Manchester Airport 5 Industrial Drive			<input type="checkbox"/> Foreign Certificated Mechanic	
City Londonderry State NH			<input checked="" type="checkbox"/> Certified Repair Station	
Zip 03053 Country USA			<input type="checkbox"/> Certified Maintenance Organization	
			C. Certificate No. CRS# P6UR006Y	
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 <input type="checkbox"/>		Signature/Date of Authorized Individual  SCOTT SHAMEL 04-14-11		
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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected				
BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. CRS# P6UR006Y		Signature/Date of Authorized Individual  SCOTT SHAMEL 04-14-11		

FAA Form 337 (10-08)

SDNY_GM_02757843

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244765

EFTA01329628

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.)

N722JE

Nationality and Registration Mark

04-14-11

Date

Installed a Sandia altitude encoder, p/n 305154-00, s/n 11035, electrical interface for TCAS function of the Garmin GMX-200, and enabled the terrain function of the Garmin GMX-200 I.A.W. Pro Star Aviation STC SR00264BO with deviations documented on Pro Star Aviation, DER approved drawing 2649 "GMX 200 MFD MOD WIRING DIAGRAM", Rev. IR dated 04/11/11.

Performed post installation test I.A.W. the applicable sections of the post installation test document 20677-PTP-01, Rev. D dated 11/24/08 with no faults noted.

Removed the existing Sikorsky RFMS No. 48 Rev. 2 dated 06/22/07 and installed Pro Star Aviation RFMS 20677-fms-01 Rev. A dated 12/04/08 into the Flight Manual.

Provided the customer with with Instructions for Continued Airworthiness document 20677-ICA-01 Rev. B dated 05/20/08.

The equipment list supplement and the helicopter weight and balance have been updated to reflect the work performed.

Pertinent details of work performed are retained in Pro Star Aviation, LLC work order number 21050.

END

Additional Sheets Are Attached

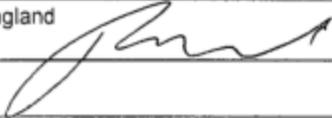
FAA Form 337 (10-06)

SDNY_GM_02757844

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244766

EFTA01329629

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			04/14/2011
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE Sikorsky	MODEL NO. S-76C	TYPE (Airplane, Radio, Helicopter, etc.) Helicopter	NAME OF APPLICANT Pro Star Aviation Londonderry, NH
LIST OF DATA			
IDENTIFICATION	TITLE		
Drawing No. 2649 Sheet 1 of 1 Rev IR, dated 04/11/11 -----END-----	"GMX 200 MFD MOD WIRING DIAGRAM Notes: 1) This approval is for engineering design data only. It indicates the data listed above demonstrates compliance only with the regulations specified by paragraph and subparagraph listed below as "Applicable Requirements". Compliance with additional regulations not listed here may be required. 2) This form does not constitute approval of all the engineering data necessary for substantiation of compliance to necessary requirements for the entire alteration. 3) This approval covers electrical details only, structural aspects of this alteration are not included in this approval and require separate approval if applicable. 4) This approval is related to modifying an existing GMX 200 MFD and only covers the addition of the traffic interface and the altitude digitizer with deviations to STC SR00264BO. -----END-----		
PURPOSE OF DATA	In support of a Major Alteration for s/n 760750		
APPLICABLE REQUIREMENTS (List specific sections)	14CFR Parts 29.1301(a)(b)(c) [Amdt. 29-0], 29.1357(a)(c) [Amdt. 29-42]		
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 and on attached sheets numbered <u>N/A</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
<input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
I (We) Therefore			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)	
Douglas M. England 	DERY-830903-NE	Systems and Equipment (Electrical)	

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757846

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244768

EFTA01329631



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

Form Approved
OMB No. 2120-0020
11/30/0007

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 N750A	Serial No. 760750	
	Make Sikorsky	Model S-76C	Series
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.	Address (As shown on registration certificate) Address 103 Foulk Rd City Wilmington State Delaware Zip 19803-3742 Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	_____	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	_____	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	_____	_____
			Manufacturer	_____	_____

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	<u>Keystone Helicopter Corporation</u>	<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address	<u>110 Stewart Huston Drive</u>	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	<u>Coatesville</u> State <u>PA</u>	<input checked="" type="checkbox"/> Certificated Repair Station	FAA CRS EGRR526D
Zip	<u>19320</u> Country <u>U.S.A.</u>	<input type="checkbox"/> 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	<input type="checkbox"/>	Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i>	11 Jan 2010
---	--------------------------	--	--------------------

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. FAA CRS EGRR526D	Signature/Date of Authorized Individual David Celes <i>David A. Celes</i>	11 Jan 2010
---	---	--------------------

FAA Form 337 (10-06)

SDNY_GM_02757847

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244769

EFTA01329632

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.)

Aircraft TT: 5.4 hrs

N750A

Nationality and Registration Mark

11 Jan 2010

Date

Keystone Helicopter Corporation has installed Single Universal Avionics Systems Corporation, UNS-1Fw Flight Management Systems with LPV, in accordance with STC# SR02691NY dated April 30, 2009.

Instructions for Continued Airworthiness are found in report no. IC01841.

Flight manual supplement FM01841 has been inserted into the Rotorcraft flight manual.

An actual aircraft weighing has been performed and the equipment list revised for this installation.

Reference Keystone Helicopter Corporation work order number 2760750-1 for work performed.

----- END -----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757848

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244770

EFTA01329633

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

Number SR02691NY

This certificate issued to Keystone Helicopter Corp.
110 E. Stewart Huston Drive
Coatesville, PA 19320

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 29 of the Federal Aviation Regulations.

Original Product Type Certificate Number: 111NE

Make: Sikorsky

Model: S-76C

Description of Type Design Change:

Installation of a Single Universal Avionics Systems Corporation UNS-1Fw Flight Management System with LPV Approach on a Sikorsky S-76C with Honeywell EDZ-756 EFIS in accordance with Keytech Installation drawing List IDL01841 Revision E dated April 01, 2009.

Limitations and Conditions:

1. Keystone Helicopter Instructions for Continued Airworthiness, Universal Avionics UNS-1Fw Flight Management System with LPV Monitor Installed in Sikorsky S-76C Aircraft, Report No. IC01841 Revision A, dated September 15, 2008 is required for this modification.
2. FAA Approved Rotorcraft Flight Manual Supplement, Supplement No. FM01841 Revision -, dated April 29, 2009 FAA approved April 30, 2009 is required for this modification.
3. Localizer Performance with Vertical Guidance (LPV) approaches in Instrument Meteorological Conditions (IMC) requires two pilots.
4. LPV allowances are limited to a maximum glideslope of 3.5 degrees.
5. The Installer must determine whether this design change is compatible with previously approved modifications.
6. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 08, 2008

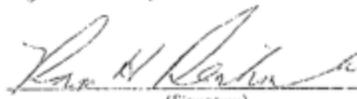
Date received:

Date of issuance: April 30, 2009

Date amended:



By direction of the Administrator


(Signature)
Anthony Socias
Manager
New York Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 1 year, or both.

FAA Form 3110-2(10-04) Page 1 of 1

This certificate may be transferred in accordance with FAR 21.61.

SDNY_GM_02757849

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244771

EFTA01329634

11

SDNY_GM_02757850

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244772

EFTA01329635

 US Department Of Transportation Federal Aviation Administration	MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0029 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 N750A		Serial No. 760750	
	Make Sikorsky	Model S-76C	Series	
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		Address (As shown on registration certificate) Address 103 Foulk Rd	
	City Wilmington	State Delaware	Zip 19803-3742	Country USA
3. For FAA Use Only				
3. For FAA Use Only				
4. Type		5. Unit Identification		
Repair	Alteration	Unit	Make	Model
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	_____
			Manufacturer	
6. Conformity Statement				
A. Agency's Name and Address		B. Kind of Agency		
Name	<u>Keystone Helicopter Corporation</u>	<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer	
Address	<u>110 Stewart Huston Drive</u>	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.	
City	<u>Coatesville</u> State <u>PA</u>	<input checked="" type="checkbox"/> Certificated Repair Station	FAA CRS EGRR526D	
Zip	<u>19320</u> Country <u>U.S.A.</u>	<input type="checkbox"/> 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 <input type="checkbox"/>		Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i> 11 Jan 2010		
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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected				
BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. FAA CRS EGRR526D		Signature/Date of Authorized Individual David Celes <i>David J. Celes</i> 11 Jan 2010		

FAA Form 337 (10-05)

SDNY_GM_02757851

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244773

EFTA01329636

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.)

Aircraft TT: 5.4 hrs

N750A

11 Jan 2010

Nationality and Registration Mark

Date

Keystone Helicopter Corporation installed the following equipment in accordance with the listed drawings:

08076B70B001-1	215 Wall Pallet
08076B66B002-1/2	215 Wall Equip Install, LH/RH
08076B90B005-01/02/03/04/05	115VAC, 60HZ, 1KVA Converter to W/4 Outlets W/D
08076B90B006-01/02/03/04/05	12 VDC Cabin Outlets W/D

Sikorsky Global Helicopter has installed a 115VAC ,60 HZ,1KVA Converter to 4 cabin outlets IAW Keystone Helicopter Corp. listed drawing which is identical in function to Sikorsky DWG 33776-83163 with minor deviations.

The following maintenance instructions are to be performed every 300 hrs. or annually.

1. Inspect Converter system for damage and security of attachment to Sta.215 wall by disengaging fasteners and removing cover on boxes located in baggage compartment LH and RH.
2. Inspect all cabin outlets for damage and security of attachment on cabin Divans FWD and AFT.
3. Inspect all visible wiring for damage and security of connections in baggage compartment area.

All work, as listed in above drawing, has been performed in accordance with FAA DER, approved, report number: Structural Analysis-Interiors and Avionics Misc. Structures: ER01859.1, N/R- dated 01-07-10, and FAA form 8110-3 dated 01-07-10.

All work, as listed in above drawing, has been performed in accordance with FAA DER, approved, report number: System Analysis-Interiors and Avionics Misc. Systems: ER02193.2.3, Rev. -, dated 11-16-09 and FAA form 8110-3 dated 01-08-10, ER02194.2.2, Rev.-, dated 12-22-09 and FAA form 8110-3 dated 12-07-10, ER02190.1, Rev.- dated 01-11-10 and FAA form 8110-3 dated 01-11-10.

Electrical Load Analysis has been performed and the additional loads of the added equipment do not exceed available aircraft electrical power.

An aircraft actual weighing has been performed. The aircraft weight and balance records and equipment list have been updated for these installations.

Reference Keystone Helicopter Corporation work order number 2760750/1.

----- END -----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757852

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244774

EFTA01329637

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION STATEMENT OF COMPLIANCE WITH FEDERAL AVIATION REGULATIONS	DATE 01 07 2010
--	--------------------

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE Sikorsky	MODEL NO. S76C	TYPE (Airplane, radio Helicopter, etc.) Helicopter	NAME OF APPLICANT Keystone Helicopter Corp.

LIST OF DATA	
IDENTIFICATION	TITLE
Engineering report no. ER01859.1, N/R Dated 01-07-2010	"Structural Analysis – Interiors & Avionics, Misc. Structures For Sikorsky S76C, s/n 760750"
	<p>NOTES:</p> <ol style="list-style-type: none"> The structural aspect only of the above data is approved herein. This approval is valid for a Sikorsky S76C, s/n 760750 ONLY. The equipment covered by the above data are: STA 255, 273, 300 shelf restraints; EFIS filter restraint; glide slope duplexer restraint; stacked DME restraint; CMS equipment (tone generator, primary cabin controller, cabin call controller, and light dimmer) restraint; audio video distributor restraint; instrument/switch panels restraint; center console equipment restraint; STA 215 LH pallet equipment (frequency converter) restraint; STA 215 RH pallet & equipment (converter) restraint; Heeds bottle provisions restraint; umbrella holder restraint; cabin lights and gaspers restraint; fwd bulkhead window restraint; switch panel restraint; pilot seat attachment modification restraint; TCAS access door material change; aft facing bench seat modification; cabin outlet restraints; C4 cabin temperature sensor restraint and IPOD cradle restraint. This approval is engineering design data only and is not installation approval. Additional approval for system installation.

<p>PURPOSE OF DATA</p> <p>In support of major alteration for aircraft Sikorsky S-76C, s/n 760750 ONLY. This approval is design data only and is not installation approval.</p>

<p>APPLICABLE REQUIREMENTS (LIST OF SPECIFIC SECTIONS)</p> <p>29.301(29-0); 29.303(29-0); 29.305(a)(29-0); 29.307(a)(29-30); 29.309(29-0); 29.337(29-30); 29.341(29-0); 29.561(a),(b),(c)(29-0); 29.601(29-0); 29.603(29-17); 29.607(29-5); 29.609(29-0); & 29.613(a),(b),(d)(29-0); 29.785(a),(b),(f),(g)(29-24).</p>

<p>CERTIFICATION Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointments under Part 183 of the Federal Aviation Regulations, data listed above and on Attached sheets numbered <u> </u> N/A have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.</p> <p>I (we) Therefore <input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data</p>

SIGNATURE(S) OF DESIGNATED ENGINEER REPRESENTATIVE	DESIGNATION	CLASSIFICATION(S)
John Sotak	DERT-955110-NE	Structures: Chart A 1A, 4A & 9A

FAA Form 8110-3 (11-79) SUPERSEDES PREVIOUS EDITIONS file: LAS76\REPORT DATA\760750 Air Guidelines
 2\Reports\ER01859_1.doc

SDNY_GM_02757853

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244775

EFTA01329638

SDNY_GM_02757854

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244776

EFTA01329639

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			08 JAN 2010
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE SIKORSKY	MODEL NO. S-76C	TYPE (Airplane, Rotor, Helicopter, etc.) Helicopter	NAME OF APPLICANT Keystone Helicopter Corporation
LIST OF DATA			
IDENTIFICATION	TITLE		
Dwg. No.: 080761901006 Rev. - dated 8/18/09	28VDC-12VDC CONVERTER w/4 OUTLETS W/D		
Report No.: ER02193.2.3 Rev. - dated 16 NOV 2009	SYSTEM INSTALLATION EVALUATION; 12 VDC Cabin Outlet(s) installation in Sikorsky S-76C Helicopter		
END			
NOTES:			
1) The data depicted in the above listed drawings/documents, including system integration, is approved. This approval is limited to the Systems & Equipment aspects of the data only as listed herein.			
2) This approval does not include installation testing.			
This approval is for engineering design data only and is not of and in itself an installation approval. This form does not in itself constitute FAA approval of all the engineering design data required for substantiation of compliance to necessary requirements for the entire alteration.			
PURPOSE OF DATA			
Compliance findings in support of a major alteration for aircraft S/N: 760750 only.			
APPLICABLE REQUIREMENTS (List specific sections) Title 14 CFR; Chapter 1; Subchapter C; Part 29; Amdt 29-47			
§29.1301(a),(b),(c); §29.1357(a),(c); §29.1359(a)(c)			
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 and on attached sheets numbered <u>NONE</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
<input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)	
David A. Mulford <i>David A. Mulford</i>	DETR-955064-NE	Systems & Equipment	

FAA Form 3110-3 (11-70) SUPERSEDES PREVIOUS EDITION

8110 773 337

SDNY_GM_02757855

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244777

EFTA01329640

SDNY_GM_02757856

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244778

EFTA01329641

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			DATE
<small>U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</small>			08 JAN 2010
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE	AIRMODEL NO.	TYPE <small>(Helicopters, Rotorcraft, etc.)</small>	NAME OF APPLICANT
SIKORSKY	S-76C	Helicopter	Keystone Helicopter Corporation
LIST OF DATA			
DESCRIPTION	TITLE		
Dwg. No.: 080761B90B006 Rev. - dated 8/18/09	28VDC-12VDC CONVERTER w/4 OUTLETS W/D		
Report No.: ER02193.2.3 Rev. - dated 16 NOV 2009	SYSTEM INSTALLATION EVALUATION; 12 VDC Cabin Outlet(s) installation in Sikorsky S-76C Helicopter		
END			
NOTES:			
1) The data depicted in the above listed drawings/documents, including system integration, is approved. This approval is limited to the Systems & Equipment aspects of the data only as listed herein.			
2) This approval does not include installation testing.			
This approval is for engineering design data only and is not of and in itself an installation approval. This form does not in itself constitute FAA approval of all the engineering design data required for substantiation of compliance to necessary requirements for the entire alteration.			
PURPOSE OF DATA			
Compliance findings in support of a major alteration for aircraft S/N: 760750 only.			
APPLICABLE REQUIREMENTS <small>(if applicable)</small>			
Title 14 CFR: Chapter I; Subchapter C; Part 29; Amdt 29-47			
§29.1301(a), (b), (c); §29.1351(a), (c); §29.1359(a) and (c)			
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 and on attached sheets numbered <u>NONE</u> have been examined in accordance with established procedure, and found to comply with applicable requirements of the Federal Aviation Regulations.			
<input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE OF DESIGNATED ENGINEERING REPRESENTATIVE	DESIGNATION NUMBER	CLASSIFICATION	
David A. Mulford <i>David A. Mulford</i>	DEFT-955064-NE	Systems & Equipment	

FAA Form 3370, (Rev. 4-11-09) USE PREVIOUS EDITIONS IF APPLICABLE

3370-108-01

SDNY_GM_02757857

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244779

EFTA01329642

SDNY_GM_02757858

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244780

EFTA01329643

 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 N750A		Serial No. 760750	
	Make Sikorsky		Model S-76C	Series
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		Address (As shown on registration certificate) Address 103 Foulk Rd City Wilmington State Delaware Zip 19803-3742 Country USA	
	3. For FAA Use Only			
3. For FAA Use Only				
4. Type		5. Unit Identification		
Repair	Alteration	Unit	Make	Model
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	_____
			Manufacturer	
6. Conformity Statement				
A. Agency's Name and Address			B. Kind of Agency	
Name	Keystone Helicopter Corporation		<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address	110 Stewart Huston Drive		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	Costesville	State PA	<input checked="" type="checkbox"/> Certificated Repair Station	FAA CRS EGRR526D
Zip	19320	Country U.S.A.	<input type="checkbox"/> 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 <input type="checkbox"/>		Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i> 11 Jan 2010		
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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected				
BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Owner (Specify)
Certificate or Designation No. FAA CRS EGRR526D		Signature/Date of Authorized Individual David Celes <i>David Celes</i> 11 Jan 2010		

FAA Form 337 (10-08)

SDNY_GM_02757859

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244781

EFTA01329644

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.

B. Description of Work Accomplished

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

Aircraft TT: 5.4 hrs

N750A

11 Jan 2010

Nationality and Registration Mark

Date

Keystone Helicopter Corporation installed the following equipment in accordance with the listed drawings:

08076B90B010-01	Cabin ICS & Entertainment W/D
08076A61A002-1	Audio-Video Distributor Install
08076B61B004-1	CMS Equip Install

Sikorsky Global Helicopter has installed a Cabin ICS & Entertainment System with an Audio-Video Distributor and CMS Equipment install IAW Keystone Helicopter Corp. drawings listed above.

The Entertainment system is controlled by an I-Pod located in a cradle on the rear divan center console and an audio control panel located on the Aft right side wall. An Audio-Video Distributor and a CMS Equipment install, both located on the Sta.273 shelf in the tail boom are system components.

The following maintenance instructions are to be performed every 300 hrs or annually.

1. Inspect the Audio-Video Distributor and CMS Equip. installs for damage and security of attachment to the shelf.
2. Inspect all cabin controls for damage and security of attachment to walls and console of the divan.
3. Inspect all visible wiring for damage and security of connections in tail boom area.

All work, as listed in above drawing, has been performed in accordance with FAA DER, approved, report number: Structural Analysis-Interiors and Avionics Misc. Structures: ER01859.1, N/R- dated 01-07-10, and FAA form 8110-3 dated 01-07-10.

All work, as listed in above drawing, has been performed in accordance with FAA DER, approved, report number: System Analysis-Interiors and Avionics Misc. Systems: ER02193.2.3, Rev. -, dated 11-16-09 and FAA form 8110-3 dated 01-08-10, ER02194.2.2, Rev.-, dated 12-22-09 and FAA form 8110-3 dated 12-07-10, ER02190.1, Rev.- dated 01-11-10 and FAA form 8110-3 dated 01-11-10.

Electrical Load Analysis has been performed and the additional loads of the added equipment do not exceed available aircraft electrical power.

An aircraft actual weighing has been performed. The aircraft weight and balance records and equipment list have been updated for these installations.

Reference Keystone Helicopter Corporation work order number 2760750/1.

----- END -----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757860

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244782

EFTA01329645

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION STATEMENT OF COMPLIANCE WITH FEDERAL AVIATION REGULATIONS	DATE 01-07-2010
---	--------------------

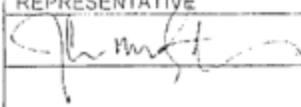
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE Sikorsky	MODEL NO. S76C	TYPE (Airplane, radio Helicopter, etc.) Helicopter	NAME OF APPLICANT Keystone Helicopter Corp.

LIST OF DATA	
IDENTIFICATION	TITLE
Engineering report no ER01859.1, N/R Dated 01-07-2010	"Structural Analysis – Interiors & Avionics, Misc. Structures For Sikorsky S76C, s/n 760750" NOTES: 1. The structural aspect only of the above data is approved herein. This approval is valid for a Sikorsky S76C, s/n 760750 ONLY. 2. The equipment covered by the above data are: STA 255, 273, 300 shelf restraints; EFIS filter restraint; glide slope duplexer restraint; stacked DMI restraint; CMS equipment (tone generator, primary cabin controller, cabin call controller, and light dimmer) restraint; audio video distributor restraint; instrument/switch panels restraint; center console equipment restraint; STA 215 LH pallet equipment (frequency converter) restraint; STA 215 RH pallet & equipment (converter) restraint; Heeds bottle provisions restraint; umbrella holder restraint; cabin lights and gaspers restraint; fwd bulkhead window restraint; switch panel restraint; pilot seat attachment modification restraint; TCAS access door material change; aft facing bench seat modification; cabin outlet restraints, C4 cabin temperature sensor restraint and IPOD cradle restraint. 3. This approval is engineering design data only and is not installation approval. Additional approval for system installation.

PURPOSE OF DATA In support of major alteration for aircraft Sikorsky S-76C, s/n 760750 ONLY. This approval is design data only and is not installation approval.
--

APPLICABLE REQUIREMENTS (LIST OF SPECIFIC SECTIONS) 29.301(29-0); 29.303(29-0); 29.305(a)(29-0); 29.307(a)(29-30); 29.309(29-0); 29.337(29-30); 29.341(29-0); 29.561(a),(b),(c)(29-0); 29.601(29-0); 29.603(29-17); 29.607(29-5); 29.609(29-0); & 29.613(a),(b),(d)(29-30); 29.785(a),(b),(f),(g)(29-24).

CERTIFICATION Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointments under Part 183 of the Federal Aviation Regulations, data listed above and on Attached sheets numbered <u>N/A</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations. <input type="checkbox"/> Recommended approval of these data <input checked="" type="checkbox"/> Approve these data I (we) Therefore
--

SIGNATURE(S) OF DESIGNATED ENGINEER REPRESENTATIVE	DESIGNATION	CLASSIFICATION(S)
 John Sotak	DERT-955110-NE	Structures, Chpt A 1A, 4A & 9A

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITIONS file: LAS76\REPORT DATA\760750 Air Glider.doc
 2\Reports\ER01859_1.doc

SDNY_GM_02757861

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244783

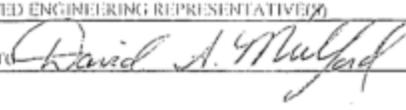
EFTA01329646

SDNY_GM_02757862

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244784

EFTA01329647

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			11 JAN 2010
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE SIKORSKY	MODEL NO. S-76C	TYPE (Airplane, Rotor, Helicopter, etc.) Helicopter	NAME OF APPLICANT Keystone Helicopter Corporation
LIST OF DATA			
IDENTIFICATION		TITLE	
Dwg. No.: 08076B90B010 Rev. C dated 12/23/09		CABIN ICS & ENTERTAINMENT W/D	
Report No.: ER02190.2.1 Rev. - dated 11 JAN 2010		SYSTEM INSTALLATION EVALUATION; Cabin ICS & Entertainment installation in Sikorsky S-76C Helicopter S/N: 760750	
END			
NOTES:			
1) The data depicted in the above listed drawings/documents, including system integration, is approved. This approval is limited to the Systems & Equipment aspects of the data only as listed herein.			
2) This approval does not include installation testing.			
This approval is for engineering design data only and is not of and in itself an installation approval. This form does not in itself constitute FAA approval of all the engineering design data required for substantiation of compliance to necessary requirements for the entire alteration.			
PURPOSE OF DATA Compliance findings in support of a major alteration for aircraft S/N: 760750 only.			
APPLICABLE REQUIREMENTS (List specific sections) Title 14 CFR; Chapter 1; Subchapter C; Part 29; Amdt 29-47 §29.1301(a),(b),(c); §29.1309(g); §29.1322(c)(d); §29.1357(a),(c); §29.1359(c)			
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 and on attached sheets numbered <u>NONE</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
<input checked="" type="checkbox"/> These data <input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)		DESIGNATION NUMBER(S)	CLASSIFICATION(S)
David A. Mulford 		DEFT-955064-NE	Systems & Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

8110 724 337

SDNY_GM_02757863

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244785

EFTA01329648

SDNY_GM_02757864

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244786

EFTA01329649

 US Department of Transportation Federal Aviation Administration	MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 11/30/007	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 N750A		Serial No. 760750	
	Make Sikorsky		Model S-76C	Series
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		Address (As shown on registration certificate) Address 103 Foulk Rd	
			City Wilmington	State Delaware
			Zip 19803-3742	Country USA
3. For FAA Use Only				
4. Type		5. Unit Identification		
Repair	Alteration	Unit	Make	Model
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	_____
			Manufacturer	
6. Conformity Statement				
A. Agency's Name and Address		B. Kind of Agency		
Name <u>Keystone Helicopter Corporation</u> Address <u>110 Steward Huston Drive</u> City <u>Coatesville</u> State <u>PA</u> Zip <u>19320</u> Country <u>U.S.A.</u>		<input type="checkbox"/> U. S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer <input type="checkbox"/> Certified Maintenance Organization		
		C. Certificate No. FAA CRS EGRR526D		
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 <input type="checkbox"/>		Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i> 11 Jan 2010		
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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected				
BY	<input type="checkbox"/> FAA Fit, Standards Inspector	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Maintenance Organization	<input type="checkbox"/> Persons Approved by Canadian Department of Transport
	<input checked="" type="checkbox"/> FAA Designee	<input checked="" type="checkbox"/> Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify) _____
Certificate or Designation No. FAA CRS EGRR526D		Signature/Date of Authorized Individual David Celes <i>David S. Celes</i> 11 Jan 2010		

FAA Form 337 (10-06)

SDNY_GM_02757865

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244787

EFTA01329650

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.)

Aircraft TT: 5.4 hrs

N750A

11 Jan 2010

Nationality and Registration Mark

Date

Keystone Helicopter Corporation installed the following equipment in accordance with the listed drawings:

66776-64887-011	Equip Changeover to DME-42
51876-66139	TCAS antenna install modification
08076B45B001-1/-2	Window Install, Fwd Bulkhead L/H R/H
08076A30T002-1	Aft Facing Bench Seat Mod
09076-20A008-1	C-4 cabin Temp Sensor Install
65376-57583-011	Pilot Seat Relocation

All work, as listed in above drawing, has been performed in accordance with FAA DER, approved, report number: Structural Analysis-Interiors and Avionics Misc. Structures: ER01859.1, N/R- dated 01-07-10, and FAA form 8110-3 dated 01-07-10.

All work, as listed in above drawing, has been performed in accordance with FAA DER, approved, report number: System Analysis-Interiors and Avionics Misc. Systems: ER02193.2.3, Rev. -, dated 11-16-09 and FAA form 8110-3 dated 01-08-10, ER02194.2.2, Rev. -, dated 12-22-09 and FAA form 8110-3 dated 12-07-10, ER02190.1, Rev.- dated 01-11-10 and FAA form 8110-3 dated 01-11-10.

Electrical Load Analysis has been performed and the additional loads of the added equipment do not exceed available aircraft electrical power.

An aircraft actual weighing has been performed. The aircraft weight and balance records and equipment list have been updated for these installations.

Reference Keystone Helicopter Corporation work order number 2760750/1.

----- END -----

Additional Sheets Are Attached

FAA Form 337 (10-08)

SDNY_GM_02757866

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244788

EFTA01329651

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION STATEMENT OF COMPLIANCE WITH FEDERAL AVIATION REGULATIONS	DATE 01-07-2010
--	--------------------

AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION

MAKE Sikorsky	MODEL NO. S76C	TYPE (Airplane, radio Helicopter, etc.) Helicopter	NAME OF APPLICANT Keystone Helicopters Corp.
------------------	-------------------	--	---

LIST OF DATA

IDENTIFICATION	TITLE
Engineering report no. ER01859.1, N/R Dated 01-07-2010	"Structural Analysis – Interiors & Avionics, Misc. Structures For Sikorsky S76C, s/n 760750"
	<p>NOTES:</p> <ol style="list-style-type: none"> The structural aspect only of the above data is approved herein. This approval is valid for a Sikorsky S76C, s/n 760750 ONLY. The equipment covered by the above data are: STA 255, 273, 300 seat restraints; EFIS filter restraint; glide slope diplexer restraint; stacked DMI restraint; CMS equipment (tone generator, primary cabin controller, cabin call controller, and light dimmer) restraint; audio video distributor restraint; instrument/switch panels restraint; center console equipment restraint; STA 215 LH pallet equipment (frequency converter) restraint; STA 215 RH pallet & equipment (converter) restraint; Heeds bottle provisions restraint; umbrella holder restraint; cabin lights and gaspers restraint; fwd bulkhead window restraint; switch panel restraint; pilot seat attachment modification restraint; TCAS access door material change; aft facing bench seat modification; cabin outlet restraints; C4 cabin temperature sensor restraint and IPOD cradle restraint. This approval is engineering design data only and is not installation approval. Additional approval for system installation.

PURPOSE OF DATA

In support of major alteration for aircraft Sikorsky S-76C, s/n 760750 ONLY. This approval is design data only and is not installation approval.

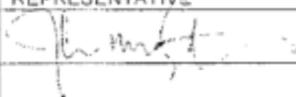
APPLICABLE REQUIREMENTS (LIST OF SPECIFIC SECTIONS)

29.301(29-0); 29.303(29-0); 29.305(a)(29-0); 29.307(a)(29-30); 29.309(29-0); 29.337(29-30); 29.341(29-0); 29.561(a),(b),(c)(29-0); 29.601(29-0); 29.603(29-17); 29.607(29-5); 29.609(29-0); & 29.613(a),(b),(d)(29-0); 29.785(a),(b),(f),(g)(29-24).

CERTIFICATION Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointments under Part 183 of the Federal Aviation Regulations, data listed above and attached sheets numbered N/A have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.

Recommended approval of these data
 Approve these data

I (we) Therefore Approve these data

SIGNATURE(S) OF DESIGNATED ENGINEER REPRESENTATIVE 	DESIGNATION John Sotak	CLASSIFICATION Structures, Chpt 5 1A, 1A & 9A
	DERT-955110-NE	

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

SDNY_GM_02757868

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244790

EFTA01329653

STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			DATE
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			07 JAN 2010
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE SIKORSKY	MODEL NO. S-76C	TYPE <i>(Airplane, Balloon, Helicopter, etc.)</i> Helicopter	NAME OF APPLICANT Keystone Helicopter Corporation
LIST OF DATA			
IDENTIFICATION		TITLE	
Dwg. No.: 08076B90B005 Rev. A dated 8/28/09		115VAC, 60HZ, 1KVA CONVERTER w/4 OUTLETS W/D	
Report No.: ER02194.2.2 Rev. - dated 22 DEC 2009		SYSTEM INSTALLATION EVALUATION; 115 VAC, 60 Hz, 1 KVA Converter with Outlet(s) installation in Sikorsky S-76C S/N 760750	
END			
NOTES:			
1) The data depicted in the above listed drawings/documents, including system integration, is approved. This approval is limited to the Systems & Equipment aspects of the data only as listed herein.			
2) This approval does not include installation testing.			
This approval is for engineering design data only and is not of and in itself an installation approval. This form does not in itself constitute FAA approval of all the engineering design data required for substantiation of compliance to necessary requirements for the entire alteration.			
PURPOSE OF DATA Compliance findings in support of a major alteration for aircraft S/N: 760750 only.			
APPLICABLE REQUIREMENTS <i>(List specific sections)</i> Title 14 CFR; Chapter I; Subchapter C; Part 29; Amdt 29-47 §29.1301(a),(b),(c); §29.1309(g); §29.1357(a),(c); §29.1359(a),(c)			
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 and on attached sheets numbered <u>N/A</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
<input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)		DESIGNATION NUMBER(S)	CLASSIFICATION(S)
David A. Mulford <i>David A. Mulford</i>		DEFT-955064-NE	Systems & Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

2100-107

SDNY_GM_02757869

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244791

EFTA01329654

SDNY_GM_02757870
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244792

EFTA01329655

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			08 JAN 2010
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE	MODEL NO.	TYPE <i>(Airplane, Rotor Helicopter, etc.)</i>	NAME OF APPLICANT
SIKORSKY	S-76C	Helicopter	Keystone Helicopter Corporation
LIST OF DATA			
IDENTIFICATION		TITLE	
Dwg. No.: 08076B90B006 Rev. - dated 8/18/09		28VDC-12VDC CONVERTER w/4 OUTLETS W/D	
Report No.: ER02193.2.3 Rev. - dated 16 NOV 2009		SYSTEM INSTALLATION EVALUATION; 12 VDC Cabin Outlet(s) installation in Sikorsky S-76C Helicopter	
END			
NOTES:			
1) The data depicted in the above listed drawings/documents, including system integration, is approved. This approval is limited to the Systems & Equipment aspects of the data only as listed herein.			
2) This approval does not include installation testing.			
This approval is for engineering design data only and is not of and in itself an installation approval. This form does not in itself constitute FAA approval of all the engineering design data required for substantiation of compliance to necessary requirements for the entire alteration.			
PURPOSE OF DATA			
Compliance findings in support of a major alteration for aircraft S/N: 760750 only.			
APPLICABLE REQUIREMENTS <i>(List specific sections)</i> Title 14 CFR; Chapter I; Subchapter C; Part 29; Amdt 29-47			
§29.1301(a),(b),(c); §29.1357(a),(c); §29.1359(a)(c)			
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 and on attached sheets numbered <u>NONE</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations			
<input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)		DESIGNATION NUMBER(S)	CLASSIFICATION(S)
David A. Mulford <i>David A. Mulford</i>		DETR-955064-NE	Systems & Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION.

RDG 73, 107

SDNY_GM_02757871

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244793

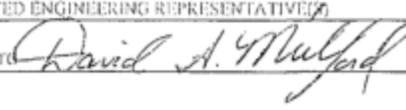
EFTA01329656

SDNY_GM_02757872

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244794

EFTA01329657

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			11 JAN 2010
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE SIKORSKY	MODEL NO. S-76C	TYPE <i>(Airplane, Rotor, Helicopter, etc.)</i> Helicopter	NAME OF APPLICANT Keystone Helicopter Corporation
LIST OF DATA			
IDENTIFICATION	TITLE		
Dwg. No.: 08076B90B010 Rev. C dated 12/23/09	CABIN ICS & ENTERTAINMENT W/D		
Report No.: ER02190.2.1 Rev. - dated 11 JAN 2010	SYSTEM INSTALLATION EVALUATION; Cabin ICS & Entertainment installation in Sikorsky S-76C Helicopter S/N: 760750		
END			
NOTES:			
<p>1) The data depicted in the above listed drawings/documents, including system integration, is approved. This approval is limited to the Systems & Equipment aspects of the data only as listed herein.</p> <p>2) This approval does not include installation testing.</p> <p>This approval is for engineering design data only and is not of and in itself an installation approval. This form does not in itself constitute FAA approval of all the engineering design data required for substantiation of compliance to necessary requirements for the entire alteration.</p>			
PURPOSE OF DATA			
Compliance findings in support of a major alteration for aircraft S/N: 760750 only.			
APPLICABLE REQUIREMENTS <i>(List specific sections)</i>			
<i>Title 14 CFR; Chapter I; Subchapter C; Part 29; Amdt 29-47</i>			
<i>§29.1301(a),(b),(c); §29.1309(g); §29.1322(c)(d); §29.1357(a),(c); §29.1359(c)</i>			
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 and on attached sheets numbered <u>NONE</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
<input checked="" type="checkbox"/> Thereby <input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBER(S)	CLASSIFICATION(S)	
David A. Mulford 	DEPT-955064-NE	Systems & Equipment	

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

8110_771_337

SDNY_GM_02757873

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244795

EFTA01329658

SDNY_GM_02757874
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244796

EFTA01329659



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 N750A	Serial No. 760750	
	Make Sikorsky	Model S-76C	Series
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		
	Address (As shown on registration certificate) Address 103 Foulk Rd		
	City Wilmington	State Delaware	
	Zip 19803-3742	Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.
Name	Keystone Helicopter Corporation	<input type="checkbox"/>	U. S. Certificated Mechanic	Manufacturer
Address	110 Stewart Huston Drive	<input type="checkbox"/>	Foreign Certificated Mechanic	
City	Coatesville State PA	<input checked="" type="checkbox"/>	Certificated Repair Station	FAA CRS EGRR526D
Zip	19320 Country U.S.A.	<input type="checkbox"/>	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	<input type="checkbox"/>	Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i> 11 Jan 2010
---	--------------------------	---

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. FAA CRS EGRR526D	Signature/Date of Authorized Individual David Celes <i>David Celes</i> 11 Jan 2010
---	---

FAA Form 337 (10-00)

SDNY_GM_02757875

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244797

EFTA01329660

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.)

Aircraft TT: 5.4 hrs

N750A

Nationality and Registration Mark

11 Jan 2010

Date

Keystone Helicopter Corporation has performed the installation of modification kit 76070-20566-011 to the vertical tail pylon in accordance with CSN 76-237A Rev A, dated June 10/09.

Aircraft weight and balance change is negligible for this alteration.

Reference Keystone Helicopter Corporation work order series: 2760750/1 for details of work performed.

-----END-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757876

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244798

EFTA01329661



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 N750A	Serial No. 760750	
	Make Sikorsky	Model S-76C	Series
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		
	Address (As shown on registration certificate) Address 103 Foulk Rd		
	City Wilmington	State Delaware	
	Zip 19803-3742	Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	_____	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	_____	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	_____	_____
			Manufacturer	_____	_____

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name <u>Keystone Helicopter Corporation</u>	Address <u>110 Steward Huston Drive</u>	City <u>Coatesville</u> State <u>PA</u>	Zip <u>19320</u> Country <u>U.S.A.</u>
		<input checked="" type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
		<input checked="" type="checkbox"/> Foreign Certificated Mechanic	<input type="checkbox"/> C. Certificate No.
		<input checked="" type="checkbox"/> Certified Repair Station	FAA CRS EGRR526D
		<input type="checkbox"/> 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 <input type="checkbox"/>	Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i>	11 Jan 2010
--	--	-------------

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	<input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. FAA CRS EGRR526D	Signature/Date of Authorized Individual David Celes <i>David F. Celes</i>	11 Jan 2010
---	---	-------------

FAA Form 337 (10-06)

SDNY_GM_02757877

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244799

EFTA01329662

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.)

Aircraft TT: 5.4 hrs

N750A

Nationality and Registration Mark

11 Jan 2010

Date

Keystone Helicopter Corporation has installed the Eaton Aerospace Zapper Pulsed chip detector system (1K7707) in accordance with STC# SR01472NY, date amended 11 May 2006.

Instructions for Continued Airworthiness are found in Eaton/Tedeco zapper system document 1K7707 I.C.A.

Flight manual supplement FM00508 has been inserted into the Rotorcraft flight manual.

An actual aircraft weighing has been performed and the equipment list revised for this installation.

Reference Keystone Helicopter Corporation work order number 2760750/1 for work performed.

-----END-----

Additional Sheets Are Attached

FAA Form 337 (10-05)

SDNY_GM_02757878

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244800

EFTA01329663

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

Supplemental Type Certificate

Number SR01472NY

This certificate issued to
Eaton Aerospace
24 East Glenolden Avenue
Glenolden, PA 19036-2198

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 29 of the Federal Aviation Regulations.

Original Product -- Type Certificate Number: H1NE

Make: Sikorsky

Model: S-76A, S76C

Description of Type Design Change:

Installation of Eaton Aerospace/Tedeco Products Zapper pulsed electric chip detector system 1K7707 on Sikorsky Helicopter S-76A and C Models with Turbomeca Arriel 1S, 1S1, 2S1 and 2S2 Engines in accordance with Installation Drawing List IDL 00508, Rev. B, dated May 11, 2006.

Limitations and Conditions:

1. For the Sikorsky S-76 helicopters fitted with Arriel 1S and 1S1 engines -- the Arriel 1S and 1S1 engines must be equipped with TU 208 and TU 232 prior to the installation of the 1K7707 Zapper System.
2. Eaton Aerospace, Rotorcraft Flight Manual Supplement, Document # FM 00508, Revision 1, FAA approved May 11, 2006 is required with this modification.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.
4. Compatibility of this design change with previously approved modifications must be determined by the installer.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: December 14, 2001

Date reissued: March 20, 2002

Date of issuance: March 8, 2002

Date amended: May 11, 2006



By direction of the Administrator

[Handwritten Signature]

(Signature)

Anthony Socias
Manager
New York 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.

FAA Form 8130-2110-601

Page 1 of 1

This certificate may be transferred in accordance with FAR 21.17.

SDNY_GM_02757879

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244801

EFTA01329664

SDNY_GM_02757880

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244802

EFTA01329665

 US Department Of Transportation Federal Aviation Administration	MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2129-0020 11/30/007	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 N750A		Serial No. 760750	
	Make Sikorsky	Model S-76C	Series	
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		Address (As shown on registration certificate) Address 103 Foulk Rd City Wilmington State Delaware Zip 19803-3742 Country USA	
	3. For FAA Use Only			
4. Type		5. Unit Identification		
Repair	Alteration	Unit	Make	Model
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	_____
			Manufacturer	_____
6. Conformity Statement				
A. Agency's Name and Address		B. Kind of Agency		
Name	KeyStone Helicopter Corporation	U. S. Certificated Mechanic		Manufacturer
Address	119 Stewart Huston Drive	Foreign Certificated Mechanic		C. Certificate No.
City	Coatesville State PA	<input checked="" type="checkbox"/> Certificated Repair Station		FAA CRS EGRR526D
Zip	19320 Country U.S.A.	<input type="checkbox"/> 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 <input type="checkbox"/>		Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i>		11 Jan 2010
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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected				
BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. FAA CRS EGRR526D		Signature/Date of Authorized Individual David Celes <i>David F. Celes</i>		11 Jan 2010

FAA Form 337 (11-06)

SDNY_GM_02757881

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244803

EFTA01329666

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.)

Aircraft TT: 5.4 hrs

N750A

Nationality and Registration Mark

11 Jan 2010

Date

Keystone Helicopter Corporation has installed hydraulic quick disconnects in accordance with the following Sikorsky Type Certificate drawings numbers:

33776-64617-015 and 33776-64617-016.

A Rotorcraft actual weighing has been performed and the Rotorcraft Equipment List has been updated for these installations.

Reference Keystone Helicopter Corporation Work Order 2760750/1 for details of work performed.

-----END-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757882

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244804

EFTA01329667



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 N750A	Serial No. 760750	
	Make Sikorsky	Model S-76C	Series
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		
	Address (As shown on registration certificate) Address 103 Foulk Rd		
	City Wilmington	State Delaware	
	Zip 19803-3742	Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	_____	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	_____	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	_____	_____
			Manufacturer	_____	_____

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Name	<u>Keystone Helicopter Corporation</u>	<input type="checkbox"/> U. S. Certified Mechanic	<input type="checkbox"/> Manufacturer		
Address	<u>110 Stewart Huston Drive</u>	<input type="checkbox"/> Foreign Certified Mechanic	<input checked="" type="checkbox"/> Certified Repair Station		
City	<u>Coatesville</u> State <u>PA</u>	<input type="checkbox"/> Certified Maintenance Organization		FAA CRS EGRR526D	
Zip	<u>19320</u> County <u>USA</u>				

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	<input type="checkbox"/>	Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i>	11 Jan 2010
---	--------------------------	--	--------------------

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. FAA CRS EGRR526D		Signature/Date of Authorized Individual David Celes <i>David X. Celes</i>		11 Jan 2010

FAA Form 337 (10-05)

SDNY_GM_02757883

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244805

EFTA01329668

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.)

Aircraft TT: 5.4 hrs

N750A

11 Jan 2010

Nationality and Registration Mark

Date

Keystone Helicopter Corporation has removed the following Sikorsky Type Certificated (TC) options.

- 33776-84625-011 – Cabin Door Vent Removal, LH
- 33776-84625-012 – Cabin Door Vent Removal, RH

An actual aircraft weighing has been performed and the equipment list revised for this removals.

Reference Keystone Helicopter Corporation work order number 2760750/1 for work performed.

-----END-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757884

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244806

EFTA01329669



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 N750A	Serial No. 760750	
	Make Sikorsky	Model S-76C	Series
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		Address (As shown on registration certificate)
			Address 103 Foulk Rd
			City Wilmington State Delaware
			Zip 19803-3742 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME		(As described in item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.
Name	<u>Keystone Helicopter Corporation</u>	<input type="checkbox"/>	U. S. Certificated Mechanic	Manufacturer
Address	<u>110 Stewart Huston Drive</u>	<input type="checkbox"/>	Foreign Certificated Mechanic	
City	<u>Coatesville</u> State <u>PA</u>	<input checked="" type="checkbox"/>	Certificated Repair Station	
Zip	<u>19320</u> Country <u>U.S.A.</u>	<input type="checkbox"/>	Certificated Maintenance Organization	FAA CRS EGRR526D

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	<input type="checkbox"/>	Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i> 11 Jan 2010
---	--------------------------	---

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. FAA CRS EGRR526D	Signature/Date of Authorized Individual David Celes <i>David Celes</i> 11 Jan 2010			

FAA Form 337 (10-06)

SDNY_GM_02757885

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244807

EFTA01329670

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.)

Aircraft TT: 5.4 hrs

N750A

11 Jan 2010

Nationality and Registration Mark

Date

Keystone Helicopter Corporation has installed the following Sikorsky Type Certificate options in accordance with the listed Sikorsky drawing numbers.

Radio Tuning Units, RTU 4200	33776-61203	FMS: 123
Dual TDR 94D	33776-61369	FMS: N/A
DME 42, 2 nd	33776-61346	FMS: N/A
NAV/LNAV Switch for ADI 335D	33776-61339	FMS: N/A
Vertical Card Standby Compass	33776-61301	FMS: N/A
Lightning Strike Sensor	33776-61358	FMS: 113
Primus 880 WX Avoidance Radar	33776-61330	FMS: 120
Garmin GMX -200 Moving Map Display	33776-91357	FMS: 48
Honeywell MFRD	33776-90843	FMS: 49
TCAS I System-CAS 66A	33776-61359	FMS: N/A
Deluxe Silencer VIP Interior	33776-91217	FMS: 47
Single Action Door Release	33776-84893	FMS: 140
Retractable Boarding Steps	33776-90925	FMS: N/A
Enhanced Door Pins	33776-90278	FMS: 37
Annunciator - "Fuel X-Feed"	33776-67085	FMS: N/A
C-4 Environmental System	33776-61372	FMS: 122
Anti-Collision LED Light, Red, Top/Bottom	33776-91696	FMS: N/A
Overhead Lateral Absorber	33776-84784	FMS: N/A
5P Bifilar	76088-10003	FMS: N/A
Rotor Pedals lube Kit	33776-93032	FMS: N/A
Emergency Floatation System	76076-02002	FMS: N/A

Flight manual supplements (FMS) listed above have been inserted into the rotorcraft flight manual.

A Rotorcraft actual weighing has been performed and the Rotorcraft Equipment List has been updated for these installations.

Reference Keystone Helicopter Corporation work order number: 2760750/1 for details of work performed.

-----END-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757886

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244808

EFTA01329671



U.S. Department
Of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0070
11/20/2007

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 N750A	Serial No. 760750
	Make Sikorsky	Model S-76C
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.	
	Address (As shown on registration certificate) Address 103 Foulk Rd	
	City Wilmington	State Delaware
	Zip 19803-3742	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Name	<u>Keystone Helicopter Corporation</u>	<input type="checkbox"/>	U. S. Certificated Mechanic	<input type="checkbox"/>	Manufacturer
Address	<u>110 Stewart Huston Drive</u>	<input type="checkbox"/>	Foreign Certificated Mechanic	<input checked="" type="checkbox"/>	Certificated Repair Station
City	<u>Coatesville</u> State <u>PA</u>	<input type="checkbox"/>	Certificated Maintenance Organization	FAA CRS EGRR526D	
Zip	<u>19320</u> Country <u>U.S.A.</u>				

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 <input type="checkbox"/>	Signature/Date of Authorized Individual Michael Wisler <i>[Signature]</i> 22 Jan 2010
--	--

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 <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. FAA CRS EGRR526D	Signature/Date of Authorized Individual David Celes <i>[Signature]</i> 22 Jan 2010
---	---

FAA Form 337 (10-06)

SDNY_GM_02757887

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244809

EFTA01329672

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.)

Aircraft TT: 14.8 hrs

N750A

Nationality and Registration Mark

22 Jan 2010

Date

Keystone Helicopter Corporation has installed the TrueNorth Avionics SATCOM system with optional Wi-Fi in accordance with STC# SR02570NY-D dated January 22, 2010.

Instructions for Continued Airworthiness are found in report no. IC01812.

Flight manual supplement FM01812 has been inserted into the Rotorcraft flight manual.

An actual aircraft weighing has been performed and the equipment list revised for this installation.

Reference Keystone Helicopter Corporation work order number 2760750-1 for work performed.

-----END-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757888

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244810

EFTA01329673

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

Number SR02570NY-D

This certificate issued to

Keystone Helicopter Corp.
110 E. Stewart Huston Drive
Coatesville, PA 19320

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

Original Product - Type Certificate Number H1NE
Make Sikorsky
Model S-76A/B/C

Description of Type Design Change: Installation of TrueNorth Avionics SATCOM System with Optional Wi-Fi installed on a Sikorsky S-76A/B/C in accordance with Keystone Helicopter Installation Drawing List IDL01812 Rev. C, dated 01/18/2010 or later FAA approved revision.

Limitations and Conditions:

1. Keystone Helicopter Instructions for Continued Airworthiness, TrueNorth Simphone SatCom System installed in Sikorsky S-76A/B/C, Report No. IC01812 Rev. A, dated October 1, 2009 or later FAA accepted revision is required for this modification.
2. FAA Approved Rotorcraft Flight Manual Supplement, Supplement No. FM01812 Rev. - dated 07/15/2008 or later FAA approved revision is required for this modification.
2. This approval should not be incorporated in any aircraft of this specific model on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those previously incorporated approved modification will not introduce any adverse effect upon the airworthiness of the aircraft.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 14, 2008

Date received:

Date of issuance: July 15, 2008

Date cancelled: January 22, 2010

By direction of the Administrator



(Signature)
Daniel J. Shapiro
STC-ODA Administrator
ODA-8019570-NE

(Print)

Supplemental Type Certificate (STC) is a Federal Aviation Administration (FAA) approval that allows an aircraft to be modified in a way that is not covered by the original type certificate. The STC is issued by the FAA's Office of Aircraft Certification (OAC) and is valid for the life of the aircraft. The STC is issued to the manufacturer of the aircraft and is not transferable to another owner. The STC is issued to the manufacturer of the aircraft and is not transferable to another owner. The STC is issued to the manufacturer of the aircraft and is not transferable to another owner.

SDNY_GM_02757889

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244811

EFTA01329674

SDNY_GM_02757890

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244812

EFTA01329675

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

Number SR02570NY-D

Date amended: January 22, 2010

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Sikorsky S-76A/B/C is as follows:

- a. The type certification basis for Sikorsky S-76A/B/C is shown on TCDS H1NE for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application is based upon Part 29 as amended by Amendment 29-51. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 29-0 through 29-51

29.301, 29.303, 29.305(a), 29.307(a), 29.337, 29.341, 29.601, 29.603, 29.607(a), 29.609(a), 29.613(a)(b)(d), 29.853(a)(4), 29.1301, 29.1309(b)(2)(d)(g), 29.1351(a), 29.1353(a), 29.1357(a)(c), 29.1359(a)(c), 29.1361, 29.1431, 29.1529

Regulations at an intermediate amendment

None

Regulations at the amendment level in TCDS H1NE

29.561(a)(b)(3)(c), 29.1501, 29.1581, 29.1585(a)

...END...

This document contains information that is exempt from release under the Freedom of Information Act (5 U.S.C. 552). It is not to be distributed outside the FAA. If you have received this document in error, please notify the FAA at (202) 255-2000.

SDNY_GM_02757891

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244813

EFTA01329676

SDNY_GM_02757892

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244814

EFTA01329677



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 N750A	Serial No. 760750				
	Make Sikorsky	Model S-76C	Series			
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		Address (As shown on registration certificate)			
			Address	103 Foulk Rd		
			City	Wilmington	State	Delaware
			Zip	19803-3742	Country	USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Name	<u>Keystone Helicopter Corporation</u>	<input type="checkbox"/>	U. S. Certificated Mechanic	Manufacturer	
Address	<u>110 Steward Huston Drive</u>	<input type="checkbox"/>	Foreign Certificated Mechanic	FAA CRS EGRR526D	
City	<u>Coatesville</u> State <u>PA</u>	<input checked="" type="checkbox"/>	Certificated Repair Station		
Zip	<u>19320</u> Country <u>U.S.A.</u>	<input type="checkbox"/>	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	<input type="checkbox"/>	Signature/Date of Authorized Individual Michael Wisler <i>[Signature]</i> 22 Jan 2010
---	--------------------------	--

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. FAA CRS EGRR526D	Signature/Date of Authorized Individual David Celes <i>[Signature]</i> 22 Jan 2010			

FAA Form 337 (10-06)

SDNY_GM_02757893

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244815

EFTA01329678

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.)

Aircraft TT: 14.8 hrs

N750A

Nationality and Registration Mark

22 Jan 2010

Date

Keystone Helicopter Corporation has installed Garmin GDL 69/69A system in accordance with STC# SR02424NY-D dated January 21, 2010.

Instructions for Continued Airworthiness are found in report no. IC01421.

Flight manual supplement FM01421 has been inserted into the Rotorcraft flight manual.

An actual aircraft weighing has been performed and the equipment list revised for this installation.

Reference Keystone Helicopter Corporation work order number 2760750-1 for work performed.

-----END-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757894

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244816

EFTA01329679

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

Number SR02424NY-D

This certificate issued to

Keystone Helicopter Corp.
110 E. Stewart Huston Drive
Coatesville, PA 19320

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations

Original Product - Type Certificate Number H1NE
Make: Sikorsky
Model: S-76A/B/C

Description of Type Design Change: Installation of Garmin GDL 69/69A system in accordance with Keystone Helicopter Installation drawing List IDL01421 Rev. F dated 01/18/2010 or later FAA approved revision.

Limitations and Conditions

1. Keystone Helicopter Instructions for Continued Airworthiness, Garmin GDL 69/69A Weather Data Receiver Installation, Report No. IC01421 Rev. B dated October 1, 2009 or later FAA accepted revision is required for this modification.
2. FAA Approved Rotorcraft Flight Manual Supplement, Supplement No. FM01421 Rev. 2 dated 01/21/2010 or later FAA approved revision is required for this modification.
3. This approval should not be incorporated in any aircraft of this specific model on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those previously incorporated approved modification will not introduce any adverse effect upon the airworthiness of the aircraft.
4. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration

Date of application: May 25, 2007

Date received: January 09, 2009

Date of issuance: July 03, 2007

Date amended: December 30, 2008
January 21, 2010



By direction of the Administrator

A handwritten signature in black ink, appearing to read "Daniel J. Shapiro", written over a horizontal line.

Daniel J. Shapiro
STC-ODA Administrator
ODA-800670-NE

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

FAA Form 8130-2(10-1-01) Page 1 of 3

This certificate may be transferred in accordance with FAR 25.27.

SDNY_GM_02757895

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244817

EFTA01329680



SDNY_GM_02757896

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244818

EFTA01329681

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

Number SR02424NY-D

Date Amended: January 21, 2010

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Sikorsky S-76A/B/C is as follows:

1. The type certification basis for Sikorsky S-76A/B/C is shown on TCDS H1NE for parts not changed or not affected by the change.
2. The certification basis for parts changed or affected by the change since the reference date of application is based upon Part 29 as amended by Amendment 29-51. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 29-0 through 29-51

29.301, 29.303, 29.305(a), 29.307(a), 29.337, 29.341, 29.601, 29.603, 29.607(a), 29.613(a)(b)(d), 29.1301, 29.1309(b)(2)(d)(g), 29.1351(a), 29.1353(a), 29.1357(a)(c), 29.1359(a)(c), 29.1431, 29.1501, 29.1529, 29.1581(a)(b)(d), 29.1583(e), 29.1585(a)

Regulations at an intermediate amendment

N/A

Regulations at the amendment level in TCDS H1NE

29.561(a)(b)(3)(c)

...END...

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 2 years, or both.

FAA Form 8110-2-1110-091 Page 3 of 3

This certificate may be transferred in accordance with FAR 21.27.

SDNY_GM_02757897

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244819

EFTA01329682



SDNY_GM_02757898

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244820

EFTA01329683



US Department
Of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
11/09/2007

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 N750A	Serial No. 760750	
	Make Sikorsky	Model S-76C	Series
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		Address (As shown on registration certificate)
			Address 103 Foulk Rd
			City Wilmington State Delaware
			Zip 19803-3742 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME		(As described in item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Name	Keystone Helicopter Corporation	<input type="checkbox"/>	U. S. Certificated Mechanic	Manufacturer	
Address	110 Stewart Huston Drive	<input type="checkbox"/>	Foreign Certificated Mechanic	FAA CRS EGRR526D	
City	Coatesville State PA	<input checked="" type="checkbox"/>	Certificated Repair Station		
Zip	19320 Country U.S.A.	<input type="checkbox"/>	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	<input type="checkbox"/>	Signature/Date of Authorized Individual Michael Wisler <i>[Signature]</i> 22 Jan 2010
---	--------------------------	---

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. FAA CRS EGRR526D	Signature/Date of Authorized Individual David Celes <i>[Signature]</i> 22 Jan 2010			

FAA Form 337 (10-06)

SDNY_GM_02757899

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244821

EFTA01329684

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.)

Aircraft TT: 14.8 hrs

N750A

22 Jan 2010

Nationality and Registration Mark

Date

Keystone Helicopter Corporation has installed Replacement LED External Lights, in accordance with STC# SR02446NY-D dated January 21, 2010.

Instructions for Continued Airworthiness are found in report no. IC01696.

Flight manual supplement FM01946 has been inserted into the Rotorcraft flight manual.

An actual aircraft weighing has been performed and the equipment list revised for this installation.

Reference Keystone Helicopter Corporation work order number 2760750-1 for work performed.

-----END-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757900

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244822

EFTA01329685

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

Number SR02446NY-D

This certificate issued to

Keystone Helicopter Corporation
110 E. Stewart Huston Dr.
Coatesville, PA 19320

certifies that the change in the type design for the following product with the limitations and conditions thereon as specified herein meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product - Type Certificate Number H1NE

* SEE PAGE 3

Make: Sikorsky

Model: S-76A/B/C

Description of Type Design Change: Installation of Replacement LED External Lights installed on a Sikorsky S-76A/B/C in accordance with Keystone Helicopter Installation Drawing List IDL01696 Rev K, dated 01/15/2010 or later FAA approved revision.

Limitations and Conditions:

1. Keystone Helicopter Instructions for Continued Airworthiness, Replacement LED External Lights installed on a Sikorsky S-76A/B/C, Report No. IC01696 Rev. B, dated 11/30/2009 or later FAA accepted revision is required for this modification.
2. FAA Approved Rotorcraft Flight Manual Supplement, Supplement No. FM01946 Rev. -, dated 06/04/2009 or later FAA approved revision is required when installing configurations b or c of this modification as defined on drawing 07076A10N000 Rev. J, dated 12/29/2009 or later FAA approved revision.
3. This approval should not be incorporated in any aircraft of this specific model on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those previously incorporated approved modification will not introduce any adverse effect upon the airworthiness of the aircraft.
4. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until suspended, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: April 18, 2008

Date received:

Date of issuance: May 21, 2008

Date accepted: June 4, 2009, January 21, 2010



By direction of the Administrator

(Signature)

Daniel J. Shapiro
STC-ODA Administrator
UDA-800570-NE

(Title)

This document contains information that is exempt from public release under 5 U.S.C. 552, b(7)(F). It is intended for use only by the FAA and its employees. It is not to be distributed outside the FAA.

SDNY_GM_02757901

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244823

EFTA01329686

SDNY_GM_02757902

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244824

EFTA01329687

United States of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate
(Continuation Sheet)

Number SR02446NY-D

Date amended: January 21, 2010

Certification Basis

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Sikorsky S-76A/B/C is as follows:

- a. The type certification basis for Sikorsky S-76A/B/C is shown on TCDS H1NE for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application is based upon Part 29 as amended by Amendment 29-51. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 29-0 through 29-51

29.301, 29.303, 29.305(a), 29.307(a), 29.337, 29.341, 29.601, 29.603, 29.607, 29.609, 29.613(a)(b)(d), 29.773(a)(2), 29.1301, 29.1309(b)(2)(d)(g), 29.1351(a), 29.1353(a), 29.1357(a)(c)(d), 29.1359(a)(c), 29.1431, 29.1501, 29.1529, 29.1581, 29.1585(a)

Regulations at an intermediate amendment

None

Regulations at the amendment level in TCDS H1NE

29.561(a)(b)(3)(c)

....END....

NOTICE: This document contains information that is exempt from public release under 5 U.S.C. 552(b)(7)(F) and (b)(7)(G). This information is intended for use by FAA personnel only. It is not to be disseminated to the public.

SDNY_GM_02757903

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244825

EFTA01329688

SDNY_GM_02757904

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244826

EFTA01329689



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

Form Approved
OMB No. 2129-0020
11/30/02/007

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 N750A	Serial No. 760750	
	Make Sikorsky	Model S-76C	Series
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.		Address (As shown on registration certificate)
			Address 103 Foulk Rd
		City Wilmington	State Delaware
		Zip 19803-3742	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Name	<u>Keystone Helicopter Services</u>	<input type="checkbox"/>	U. S. Certified Mechanic	<input type="checkbox"/>	Manufacturer
Address	<u>110 Stewart Huston Drive</u>	<input type="checkbox"/>	Foreign Certified Mechanic	<input checked="" type="checkbox"/>	FAA CRS EGRR526D
City	<u>Covesville</u> State <u>PA</u>	<input checked="" type="checkbox"/>	Certificated Repair Station		
Zip	<u>19320</u> Country <u>U.S.A.</u>	<input type="checkbox"/>	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 <input type="checkbox"/>	Signature/Date of Authorized Individual Ronald Holley <i>Ronald Holley</i> 29 Jan 2010
--	---

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. FAA CRS EGRR526D	Signature/Date of Authorized Individual David Celes <i>David Celes</i> 29 Jan 2010			

FAA Form 337 (10-08)

SDNY_GM_02757905

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244827

EFTA01329690

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.)

Aircraft TT: <u>18.0 hrs</u>	N750A	29 Jan 2010
	<small>Nationality and Registration Mark</small>	<small>Date</small>

Keystone Helicopter Services has installed the following Sikorsky Type Certificated Options in accordance with the following Sikorsky drawing numbers:

- | | |
|-----------------------|--|
| 33776-34889-014 | Sta 300 Shelf Installation |
| 33776-52177-011 | Cockpit and Pilot Floor Scuff Plates |
| 33776-52204-013 | Sill Plate Install |
| 33776-52562-011, -12 | Jeppesen Manual Stowage Crew Door, LH & RH |
| 33776-52578-011, -012 | Drink Holder Install, LH & RH |
| 33776-54138-011, -012 | Landing Gear Lock Pin Stowage, LH & RH |
| 33776-54746-012 | Cockpit Headset Hanger Installation |
| 33776-56019-011 | Soft Cover Install, Fire Extinguisher |
| 33776-57548-011 | Cockpit Ceiling Support Angle |
| 33776-57543-011 | Cockpit Ceiling Install, H Panel |
| 33776-57555-011, -012 | Cabin Door Filler Installation, LH & RH |
| 33776-52608-011, -012 | Door Lock Pin, Extension, LH & RH |
| 33776-52610-011, -012 | Cockpit Door, Window Trim, LH & RH |
| 33776-53554-013, -014 | Door Threshold Light, LH & RH |
| 33776-54107-013 | Cable Guard Install |
| 33776-54196-015, -016 | Plug Stow Install, RH & LH |
| 33776-44543-019, -020 | Chart Install, Pilot & Copilot |
| 33776-64732-023, -024 | Nose Ballast Provisions, LH & RH |
| 33776-84798-011 | Shore Power CB Install |
| 33776-58902-012 | VIP Interior Paint Prep and Finish |

Installation of equipment listed above, has been installed in accordance with Sikorsky Aircraft Type Certificate Drawings.

Ground tests have been conducted to ensure that the installations, referenced above, operate properly in accordance with the manufacturers' instructions.

For FAA DER approved Flame Test Results reference Keytech Engineering Services report number # ERO1859.8 dated 29 Jan 2010.

An aircraft actual weighing has been performed and equipment list has been updated for these installations.

Reference Keystone Helicopter Services work order number: 2760750/1 for details of work performed.

-----End-----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757906

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244828

EFTA01329691



US Department
Of Transportation
Federal Aviation
Administration

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

Firm 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 N750A	Serial No. 760750
	Make Sikorsky	Model S-76C
2. Owner	Name (As shown on registration certificate) Air Ghislaine Inc.	
	Address (As shown on registration certificate) Address 103 Foulk Rd	
	City Wilmington	State Delaware
	Zip 19803-3742	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Name	<u>Keystone Helicopter Corporation</u>	<input type="checkbox"/>	U. S. Certificated Mechanic	<input type="checkbox"/>	Manufacturer
Address	<u>110 Stewart Huston Drive</u>	<input type="checkbox"/>	Foreign Certificated Mechanic	<input checked="" type="checkbox"/>	Certificated Repair Station
City	<u>Coatesville</u> State <u>PA</u>	<input type="checkbox"/>	Certificated Maintenance Organization	FAA CRS EGRR526D	
Zip	<u>19320</u> Country <u>U.S.A.</u>				

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	<input type="checkbox"/>	Signature/Date of Authorized Individual Michael Wisler <i>[Signature]</i>	05 Feb 2010
---	--------------------------	---	--------------------

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. FAA CRS EGRR526D	Signature/Date of Authorized Individual David Celes <i>[Signature]</i>			05 Feb 2010

FAA Form 337 (10-05)

SDNY_GM_02757907

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244829

EFTA01329692

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.)

Aircraft TT: 19.0 hrs

N750A

05 Feb 2010

Nationality and Registration Mark

Date

Keystone Helicopter Corporation modified the cabin entertainment system in accordance with the listed drawings:

08076B90B010-01	Cabin ICS & Entertainment W/D
08076B61B051-1	Audio Mixing Amplifier Modification

Sikorsky Global Helicopter has modified the Cabin ICS & Entertainment System with an Audio-Video Distributor and CMS Equipment install IAW Keystone Helicopter Corp. drawings listed above.

The Entertainment system is controlled by an I-Pod located in a cradle on the rear divan center console and an audio control panel located on the Aft right side wall. An Audio -Video Distributor and a CMS Equipment install, both located on the Sta.273 shelf in the tail boom are system components.

The maintenance instructions have not changed for the entertainment system and is to be performed every 300 hrs or annually.

All work, as listed in above drawing, has been performed in accordance with FAA DER, approved, report number: System Analysis-Interiors and Avionics Misc. Systems: ER02190.2.1, Rev. A, dated 02-04-10 and FAA form 8110-3 dated 02-04-10.

An aircraft weight and balance change is negligible for this modification.

Reference Keystone Helicopter Corporation work order number 2760750/1.

----- END -----

Additional Sheets Are Attached

FAA Form 337 (10-06)

SDNY_GM_02757908

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244830

EFTA01329693

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			04 FEB 2010
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE SIKORSKY	MODEL NO S-76C	TYPE <i>Single Rotor Helicopter</i> Helicopter	NAME OF APPLICANT Keystone Helicopter Corporation
LIST OF DATA			
IDENTIFICATION	TITLE		
Dwg. No.: 08076B90B010 Rev. E dated 2/3/10	CABIN ICS & ENTERTAINMENT W/D		
Report No.: ER02190.2.1 Rev. A dated 04 FEB 2010	SYSTEM INSTALLATION EVALUATION; Cabin ICS & Entertainment installation in Sikorsky S-76C Helicopter S/N: 760750		
END			
NOTES: 1) The data depicted in the above listed drawings/documents, including system integration, is approved. This approval is limited to the Systems & Equipment aspects of the data only as listed herein. 2) This approval does not include installation testing. 3) This §110-3 supersedes §110-3 dated 11 JAN 2010 to include design changes outlined in the revised documents above. This approval is for engineering design data only and is not of and in itself an installation approval. This form does not in itself constitute FAA approval of all the engineering design data required for substantiation of compliance to necessary requirements for the entire alteration.			
PURPOSE OF DATA Compliance findings in support of a major alteration for aircraft S/N: 760750 only.			
APPLICABLE REQUIREMENTS <i>(List specific sections)</i> Title 14 CFR; Chapter I; Subchapter C; Part 29; Amdt 29-47 §29.1301(a),(b),(c); §29.1309(g); §29.1322(c)(d); §29.1357(a),(c); §29.1359(c)			
CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 185 of the Federal Aviation Regulations, data listed above and on attached sheets numbered <u>NONE</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations. I <input checked="" type="checkbox"/> Therefore <input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)		DESIGNATION NUMBER(S)	CLASSIFICATION(S)
David A. Mulford <i>David A. Mulford</i>		DETR-955064-NE	Systems & Equipment

FAA Form 8110-3 (11-70) SUPERSEDES PREVIOUS EDITION

8110_774_337a

SDNY_GM_02757909

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244831

EFTA01329694



SDNY_GM_02757910

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244832

EFTA01329695



DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER PHILADELPHIA
700 ROBBINS AVENUE
PHILADELPHIA, PENNSYLVANIA 19111-5092

IN REPLY
REFER TO

DSCP-NASA

September 28, 2009

Austin Hardware
Attn: Jon Leopold



Dear Mr. Leopold:

The purpose of this letter is to inform you that your applications for the Qualified Suppliers Lists for Distributors (QSLD) of Classes 3 & 2 Threaded Fasteners, Rivets, and Quick Release Pins have been approved. This qualification is based on a review of your quality manual, your quality history with DSCP, and on the survey performed at your facility under CAGE code **1P9Z9** on September 23, 2009, by DSCP. Qualification must be renewed after a three-year term, and is subject to removal as determined in the *Criteria and Provisions*. Keep in mind that post-awards audits may be conducted at any time, either announced or unannounced, by either DSCP personnel or our designated representatives.

For your convenience, the *Criteria and Provisions* are available online at <http://www.dscp.dla.mil/qi/qsll/>. For any questions or concerns, you may contact the undersigned at [REDACTED] or send e-mail to [REDACTED]. Our fax number is [REDACTED]. Thank you for your participation.

Sincerely,

Jonathan Vidal
QSL Team Leader
Engineering & Qualifications Branch
Aviation Supply Chain Directorate

SDNY_GM_02757911

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244833

EFTA01329696



SDNY_GM_02757912

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244834

EFTA01329697

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION SPECIAL AIRWORTHINESS CERTIFICATE			
A	CATEGORY/DESIGNATION Experimental		
	PURPOSE Research and Development		
B	MANUFACTURER NAME	N/A	
	FACTURER ADDRESS	N/A	
C	FLIGHT FROM	N/A	
	TO	N/A	
D	N-750A	SERIAL NO.	760750
	BUILDER Keystone Helicopter Corporation	MODEL	S-76C
DATE OF ISSUANCE 01/14/2010		EXPIRY 02/13/2010	
OPERATING LIMITATIONS DATED 01/14/2010 ARE PART OF THIS CERTIFICATE			
E	SIGNATURE OF FAA REPRESENTATIVE		DESIGNATION OR OFFICE NO.
	Timothy A. Chopp		ODA-800676-NE

Any generation, 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 TITLE 14, CODE OF FEDERAL REGULATIONS (CFR).

FAA FORM 8130-7 (3/04) SEE REVERSE SIDE ASN: 9052-00-893-4000

SDNY_GM_02757913

T TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15,

EFTA_00244835

A	This airworthiness certificate is issued under the authority of Public Law 104-6, 49 United States Code (USC) 44704 and Title 14 Code of Federal Regulations (CFR).
B	The airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
C	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable CFR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable CFR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country.
E	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in 14 CFR, Part 21, Section 21.181 or 21.217.

SDNY_GM_02757914

T TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15,

EFTA_00244836



U.S. Department
of Transportation
**Federal Aviation
Administration**

Engine & Propeller Directorate
Manufacturing Inspection District Office #44

400 Airport Drive, Room 102
New Cumberland, PA 17070-3419
Tel: (717) 782-4425
Fax: (717) 782-2731

EXPERIMENTAL OPERATING LIMITATIONS **RESEARCH AND DEVELOPMENT**

BUILDER: Keystone Helicopter Corporation MODEL: S-76C
SERIAL NUMBER: 760750 REGISTRATION NUMBER: N750A
DATE OF ISSUANCE: January 14, 2010 EXPIRATION DATE: February 13, 2010

1. No person may operate this aircraft unless the FAA form 8130-7, Special Airworthiness Certificate, is displayed at the cabin or cockpit entrance so that it is visible to passengers and crew.
2. No person may operate this aircraft for other than the purpose of **Research and Development** to accomplish the flight operations outlined in the applicant's program letter dated **January 14, 2010**, describing compliance with §21.193(d), and made available to the pilot in command of the aircraft. Additionally, this aircraft shall be operated in accordance with applicable air traffic and general operating rules of part 91, and all additional limitations herein prescribed under the provisions of §21.319(e).
3. These limitations are a part of the FAA Form 8130-7, Special Airworthiness Certificate, and are to be carried in the aircraft at all times for availability to the pilot. Blocks A, D, and E on the reverse side of FAA form 8130-7 are a part of these operating limitations.
4. The owner/operator of this aircraft must ensure that a copy of the current program letter, and amendments, if any, are carried aboard this aircraft at all times.
5. The base of operation for this aircraft is as follows:
KMQS-Chester County Airport, Coatesville, Pa.

All operations shall be conducted from the base of operation.
6. All flights shall be conducted within the geographical flight test area described as follows:
within a 100 nautical mile radius of **KMQS - Chester County Airport, Coatesville, Pa.**

Page 1 of 4

SDNY_GM_02757915

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244837

EFTA01329700

7. Take-offs and landings from only the following airports within the assigned geographical flight test area are authorized:

Reading Regional Airport	KRDG	Reading, PA
New Castle Airport	KILG	Wilmington DE
Pottstown Limerick Airport	KPTW	Pottstown, PA
Lancaster Airport	KLNS	Lancaster, PA
Chester County Airport	KMQS	Coatesville, PA
Millville Airport	KMIV	Millville, NJ
New Garden Airport	KN57	Avondale, PA

8. No operations, including take-offs and landings, shall be conducted over densely populated areas or in congested airways, except when otherwise directed by Air Traffic Control.
9. No person shall operate this aircraft unless the replacement times for life-limited parts specified in the applicable technical publications pertaining to the aircraft and its components are complied with.
10. The pilot-in-command of this aircraft must, as applicable, hold an appropriate category/class rating. If required for the type of aircraft to be flown, the pilot in command must also hold either an appropriate type rating or a letter of authorization issued by an FAA Flight Standards Operations Inspector.
11. Unless appropriately equipped for night and/or instrument flight in accordance with §91.205, this aircraft shall be operated under Visual Flight Rules (VFR).
12. Aircraft instruments and equipment installed and used under §91.205 must be inspected and maintained in accordance with the requirements of 14 CFR part 91. Any maintenance or inspection of this equipment must be recorded in the aircraft maintenance records.
13. No person may operate this aircraft for carrying persons or property for compensation or hire.
14. No person may be carried in this aircraft during flight unless that person is essential to the purpose of the flight.
15. The pilot in command of this aircraft shall advise each person carried of the experimental nature of this aircraft, and explain that it does not meet the certification requirements of a standard certificated aircraft.
16. This aircraft shall contain the placards, markings, etc., as required by §91.9.
17. This aircraft is prohibited from aerobatic flight, i.e., an intentional maneuver involving an abrupt change in the aircraft's attitude, an abnormal attitude, or abnormal acceleration not necessary for normal flight.

18. This aircraft shall not be used for glider towing, banner towing, or intentional parachute jumping.
19. No person shall operate this aircraft unless within the preceding twelve (12) calendar months it has had a condition inspection performed in accordance with the scope and detail of appendix D to part 43, or other FAA approved programs, and found to be in a condition for safe operation. This inspection shall be recorded in the aircraft maintenance records.
20. Only FAA certificated personnel with appropriate ratings as authorized by §43.3 may perform inspections required by these operating limitations.
21. Inspections shall be recorded in the aircraft maintenance records showing the following or a similarly worded statement: **"I certify that this aircraft has been inspected on (insert date) in accordance with the Manufacturer's Inspection Program per FAR 91.403, (or other FAA approved programs) and was found to be in a condition for safe operation."** The entry will include the aircraft total time in service, and the name, signature, and certificate type and & number of the person performing the inspection.
22. If aircraft, engine, or propeller, operating limitations are exceeded, an appropriate entry shall be made in the aircraft records.
23. This aircraft shall not be operated unless it is maintained and inspected in accordance with the requirements of part 43, Maintenance, Preventive Maintenance, Rebuilding, and Alteration.
24. This aircraft shall display the word **EXPERIMENTAL** in accordance with §45.23(b).
25. The following placard shall be displayed inside the aircraft at all times, in letters at least 3/8 inches in height and in a location easily visible and legible to all persons entering the aircraft:

"PASSENGER NOTICE: THIS AIRCRAFT DOES NOT COMPLY WITH FEDERAL SAFETY REGULATIONS FOR STANDARD AIRCRAFT."
26. The pilot-in-command of this aircraft shall notify the air traffic control tower of the experimental nature of this aircraft when operating into or out of airports with operating air traffic control towers. The pilot in command shall plan routing that will avoid densely populated areas and congested airways when operating VFR.
27. The pilot in command of this aircraft shall notify Air Traffic Control of the experimental nature of this aircraft when operating under IFR conditions, and shall request routing which will avoid densely populated areas and congested airways.
28. This aircraft does not meet the requirements of the applicable, comprehensive, and detailed airworthiness code as provided by Annex 8 of the International Civil Aviation Organization (ICAO). The owner/operator of this aircraft must obtain written permission from another country's Civil Aviation Authority (CAA) prior to operating this aircraft in or over that country. That written permission must be carried aboard the aircraft together with the U.S.

airworthiness certificate and, upon request, be made available to an FAA inspector or the CAA in the country of operation.

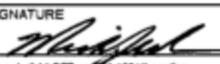
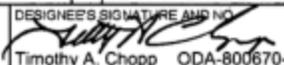
29. Any major change to this aircraft, as defined by §21.93, invalidates the Special Airworthiness Certificate issued for this aircraft.
30. Application shall be made to FAA New Cumberland MIDO at telephone number (717) 782-4425, for any revision to these operating limitations.
31. In accordance with §47.45, the FAA Aircraft Registry must be notified within 30 days for any change of the aircraft registrant's address. Such notification is to be made in the form of a submission of an FAA Form 8050-1, Aircraft Registration Application.
32. All airworthiness directives applicable to this aircraft, or any part thereof, shall be complied with in accordance with the requirements of 14 CFR part 39.

Issued by:  Date: 14 Jan. 2010
Timothy A. Chopp
ODA-800670-NE

Completed 01/27/2010 znl

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

Form Approved
O.M.B. No. 2120-0018
Exp. date: 12/31/2010

 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 DESIGNATION	1. REGISTRATION MARK N750A		2. AIRCRAFT BUILDER'S NAME (Make) Keystone Helicopter Corp.		3. AIRCRAFT MODEL DESIGNATION S-76C		4. YR. MFR. FAA CODING 2008 Do not coder per FAA																																					
	5. AIRCRAFT SERIAL NO. 760750		6. ENGINE BUILDER'S NAME (Make) Turbomeca		7. ENGINE MODEL DESIGNATION Arriel 2S2		Order 8130.29																																					
	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)																																												
A <input type="checkbox"/> 1 STANDARD AIRWORTHINESS CERTIFICATE (Indicate Category) <input type="checkbox"/> NORMAL <input type="checkbox"/> UTILITY <input type="checkbox"/> ACROBATIC <input type="checkbox"/> TRANSPORT <input type="checkbox"/> COMBATER <input type="checkbox"/> BALLOON <input type="checkbox"/> OTHER																																												
B <input checked="" type="checkbox"/> SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)																																												
7 PRIMARY																																												
9 LIGHT-SPORT (Indicate Class) <input type="checkbox"/> AIRPLANE <input type="checkbox"/> POWER-PARACHUTE <input type="checkbox"/> WEIGHT-SHIFT-CONTROL <input type="checkbox"/> GLIDER <input type="checkbox"/> LIGHTER THAN AIR																																												
2 LIMITED																																												
5 PROVISIONAL (Indicate Class) <table border="1" style="width: 100%;"> <tr> <td>1</td> <td>CLASS I</td> </tr> <tr> <td>2</td> <td>CLASS II</td> </tr> </table>									1	CLASS I	2	CLASS II																																
1	CLASS I																																											
2	CLASS II																																											
3 RESTRICTED (Indicate operation(s) to be conducted) <table border="1" style="width: 100%;"> <tr> <td>1</td> <td>AGRICULTURE AND PEST CONTROL</td> <td>2</td> <td>AERIAL SURVEY</td> <td>3</td> <td>AERIAL ADVERTISING</td> </tr> <tr> <td>4</td> <td>FOREST (Wildlife Conservation)</td> <td>5</td> <td>PATROLLING</td> <td>6</td> <td>WEATHER CONTROL</td> </tr> <tr> <td>0</td> <td colspan="5">OTHER (Specify)</td> </tr> </table>									1	AGRICULTURE AND PEST CONTROL	2	AERIAL SURVEY	3	AERIAL ADVERTISING	4	FOREST (Wildlife Conservation)	5	PATROLLING	6	WEATHER CONTROL	0	OTHER (Specify)																						
1	AGRICULTURE AND PEST CONTROL	2	AERIAL SURVEY	3	AERIAL ADVERTISING																																							
4	FOREST (Wildlife Conservation)	5	PATROLLING	6	WEATHER CONTROL																																							
0	OTHER (Specify)																																											
4 <input checked="" type="checkbox"/> EXPERIMENTAL (Indicate operation(s) to be conducted) <table border="1" style="width: 100%;"> <tr> <td>1</td> <td><input checked="" type="checkbox"/> RESEARCH AND DEVELOPMENT</td> <td>2</td> <td>AMATEUR BUILT</td> <td>3</td> <td>EXHIBITION</td> </tr> <tr> <td>4</td> <td>AIR RACING</td> <td>5</td> <td>CREW TRAINING</td> <td>6</td> <td>MARKET SURVEY</td> </tr> <tr> <td>0</td> <td colspan="5">TO SHOW COMPLIANCE WITH THE CFR</td> </tr> <tr> <td>7</td> <td colspan="5">OPERATING (Primary Category) KIT BUILT AIRCRAFT</td> </tr> <tr> <td>8</td> <td>OPERATING LIGHT-SPORT</td> <td colspan="4"> <table border="1" style="width: 100%;"> <tr> <td>8A</td> <td>Existing Aircraft without an airworthiness certificate & do not meet § 183.1</td> </tr> <tr> <td>8B</td> <td>Operating Light-Sport Kit-Built</td> </tr> <tr> <td>8C</td> <td>Operating light-sport previously issued special light-sport category airworthiness certificate under § 21.199</td> </tr> </table> </td> </tr> </table>									1	<input checked="" type="checkbox"/> RESEARCH AND DEVELOPMENT	2	AMATEUR BUILT	3	EXHIBITION	4	AIR RACING	5	CREW TRAINING	6	MARKET SURVEY	0	TO SHOW COMPLIANCE WITH THE CFR					7	OPERATING (Primary Category) KIT BUILT AIRCRAFT					8	OPERATING LIGHT-SPORT	<table border="1" style="width: 100%;"> <tr> <td>8A</td> <td>Existing Aircraft without an airworthiness certificate & do not meet § 183.1</td> </tr> <tr> <td>8B</td> <td>Operating Light-Sport Kit-Built</td> </tr> <tr> <td>8C</td> <td>Operating light-sport previously issued special light-sport category airworthiness certificate under § 21.199</td> </tr> </table>				8A	Existing Aircraft without an airworthiness certificate & do not meet § 183.1	8B	Operating Light-Sport Kit-Built	8C	Operating light-sport previously issued special light-sport category airworthiness certificate under § 21.199
1	<input checked="" type="checkbox"/> RESEARCH AND DEVELOPMENT	2	AMATEUR BUILT	3	EXHIBITION																																							
4	AIR RACING	5	CREW TRAINING	6	MARKET SURVEY																																							
0	TO SHOW COMPLIANCE WITH THE CFR																																											
7	OPERATING (Primary Category) KIT BUILT AIRCRAFT																																											
8	OPERATING LIGHT-SPORT	<table border="1" style="width: 100%;"> <tr> <td>8A</td> <td>Existing Aircraft without an airworthiness certificate & do not meet § 183.1</td> </tr> <tr> <td>8B</td> <td>Operating Light-Sport Kit-Built</td> </tr> <tr> <td>8C</td> <td>Operating light-sport previously issued special light-sport category airworthiness certificate under § 21.199</td> </tr> </table>				8A	Existing Aircraft without an airworthiness certificate & do not meet § 183.1	8B	Operating Light-Sport Kit-Built	8C	Operating light-sport previously issued special light-sport category airworthiness certificate under § 21.199																																	
8A	Existing Aircraft without an airworthiness certificate & do not meet § 183.1																																											
8B	Operating Light-Sport Kit-Built																																											
8C	Operating light-sport previously issued special light-sport category airworthiness certificate under § 21.199																																											
6 SPECIAL FLIGHT PERMIT (Indicate operation(s) to be conducted, then complete Section VI or VII as applicable on reverse side) <table border="1" style="width: 100%;"> <tr> <td>1</td> <td colspan="5">FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE, OR STORAGE</td> </tr> <tr> <td>2</td> <td colspan="5">EVACUATION FROM AREA OF IMPENDING DANGER</td> </tr> <tr> <td>3</td> <td colspan="5">OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT</td> </tr> <tr> <td>4</td> <td>DELIVERING OR EXPORTING</td> <td>5</td> <td colspan="3">PRODUCTION FLIGHT TESTING</td> </tr> <tr> <td>6</td> <td colspan="5">CUSTOMER DEMONSTRATION FLIGHTS</td> </tr> </table>									1	FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE, OR STORAGE					2	EVACUATION FROM AREA OF IMPENDING DANGER					3	OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT					4	DELIVERING OR EXPORTING	5	PRODUCTION FLIGHT TESTING			6	CUSTOMER DEMONSTRATION FLIGHTS										
1	FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE, OR STORAGE																																											
2	EVACUATION FROM AREA OF IMPENDING DANGER																																											
3	OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT																																											
4	DELIVERING OR EXPORTING	5	PRODUCTION FLIGHT TESTING																																									
6	CUSTOMER DEMONSTRATION FLIGHTS																																											
C <input type="checkbox"/> 6 MULTIPLE AIRWORTHINESS CERTIFICATE (Check ABOVE "Restricted Operation" and "Standard" or "Limited" as applicable)																																												
III. OWNER'S CERTIFICATION																																												
A. REGISTERED OWNER (As shown on certificate of aircraft registration) <table border="1" style="width: 100%;"> <tr> <td>NAME Air Ghislaine Inc.</td> <td>ADDRESS 103 Foulk Rd Wilmington DE 19803-3742</td> </tr> </table>									NAME Air Ghislaine Inc.	ADDRESS 103 Foulk Rd Wilmington DE 19803-3742																																		
NAME Air Ghislaine Inc.	ADDRESS 103 Foulk Rd Wilmington DE 19803-3742																																											
B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated) <table border="1" style="width: 100%;"> <tr> <td>AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No. and Revision No.) H1NE Rev. 30</td> <td>AIRCRAFT LISTING (Give page number(s)) N/A</td> </tr> </table>									AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No. and Revision No.) H1NE Rev. 30	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A																											
AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No. and Revision No.) H1NE Rev. 30	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A	AIRCRAFT LISTING (Give page number(s)) N/A																																				
C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS <table border="1" style="width: 100%;"> <tr> <td>CHECK IF RECORDS IN COMPLIANCE WITH 14 CFR Section 91.417</td> <td>TOTAL AIRFRAME HOURS 5.4 hrs</td> <td>EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed)</td> <td>3</td> <td>0 hrs</td> </tr> </table>									CHECK IF RECORDS IN COMPLIANCE WITH 14 CFR Section 91.417	TOTAL AIRFRAME HOURS 5.4 hrs	EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed)	3	0 hrs																															
CHECK IF RECORDS IN COMPLIANCE WITH 14 CFR Section 91.417	TOTAL AIRFRAME HOURS 5.4 hrs	EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed)	3	0 hrs																																								
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 et seq. 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: 01/14/2010 NAME AND TITLE (Print or type): Michael J. Wisler S76C Quality Assurance Inspector 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(j) 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)																																												
DATE: _____ TITLE: _____ SIGNATURE: _____																																												
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 <input checked="" type="checkbox"/> THE CERTIFICATE REQUESTED <input type="checkbox"/> AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE																																												
B. Inspection for a special permit under Section VII was conducted by: FAA INSPECTOR: _____ CERTIFICATE HOLDER UNDER: _____ FAA DESIGNEE: _____ 14 CFR part 65 14 CFR part 121 OR 135 14 CFR part 145																																												
DATE: 01/14/2010 DISTRICT OFFICE: ANE-MIDO-44 DESIGNEE'S SIGNATURE AND NO.:  Timothy A. Chopp ODA-800670-NE FAA INSPECTOR'S SIGNATURE: _____																																												

FAA Form 8130-6 (10-04) Previous Edition Dated 5/01 May be Used Until Depleted, Except for Light-Sport Aircraft

NSN: 0052-00-024-7006

SDNY_GM_02757919

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244841

EFTA01329704

VI. PRODUCTION FLIGHT TESTING	A. MANUFACTURER				
	NAME		ADDRESS		
	B. PRODUCTION BASIS (Check applicable item)				
	PRODUCTION CERTIFICATE (Give production certificate number)		_____		
TYPE CERTIFICATE-ONLY					
APPROVED PRODUCTION INSPECTION SYSTEM					
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 (MFR)		MODEL		
	SERIAL NUMBER		REGISTRATION MARK		
	B. DESCRIPTION OF FLIGHT				
	FROM		TO		
	CUSTOMER DEMONSTRATION FLIGHTS <input type="checkbox"/> (Check if applicable)				
	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(g) 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 (PASSENGERS USE ONLY)	<input checked="" type="checkbox"/>	A. Operating Limitations and Markings in Compliance with 14 CFR Section 91.9, as applicable	<input type="checkbox"/>	G. Statement of Conformity, FAA Form 8130-0 (Attach when required)	
	<input checked="" type="checkbox"/>	B. Current Operating Limitations Attached	<input type="checkbox"/>	H. Foreign Airworthiness Certification for Import Aircraft (Attach when required)	
	<input type="checkbox"/>	C. Data/Drawings, Photographs, etc. (Attach when required)	<input type="checkbox"/>	I. Previous Airworthiness Certificate issued in accordance with 14 CFR Section 21.183 (b) CAR _____ (Original Attached)	
	<input checked="" type="checkbox"/>	D. Current Weight and Balance Information Available in Aircraft	<input checked="" type="checkbox"/>	J. Current Airworthiness Certificate issued in accordance with 14 CFR Section 21.191 (a) (Copy Attached)	
	<input type="checkbox"/>	E. Major Repair and Alteration, FAA Form 337 (Attach when required)	<input checked="" type="checkbox"/>	K. Light-Sport Aircraft Statement of Compliance, FAA Form 8130-15 (Attach when required)	
	<input checked="" type="checkbox"/>	F. This inspection Recorded in Aircraft Records			

FAA Form 8130-6 (10-04) Previous Edition Dated 5/01 May be Used Until Depleted, except for Light-Sport Aircraft

NSN: 0052-00-024-7006

SDNY_GM_02757920

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244842

EFTA01329705

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION SPECIAL AIRWORTHINESS CERTIFICATE			
A	CATEGORY/DESIGNATION	Experimental	
	PURPOSE	Research and Development	
B	MANUFACTURER	NAME	
		ADDRESS	
C	FLIGHT	FROM	
		TO	
D	N-	750A	SERIAL NO. 760750
	BUILDER	Keystone Helicopter Corporation	MODEL S-76C
	DATE OF ISSUANCE	01/14/2010	EXPIRY 02/13/2010
E	OPERATING LIMITATIONS DATED 01/14/2010 ARE PART OF THIS CERTIFICATE		
	SIGNATURE OF FAA REPRESENTATIVE	DESIGNATION OR OFFICE NO.	
	Timothy A. Chopp		ODA-800670-NE
<small>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 TITLE 14, CODE OF FEDERAL REGULATIONS (CFR). FAA FORM 8130-7 (8/04) SEE REVERSE SIDE NSN 2057-00-493-4000</small>			

SDNY_GM_02757921

T TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15,

EFTA_00244843

A	This airworthiness certificate is issued under the authority of Public Law 104-6, 49 United States Code (USC) 44704 and Title 14 Code of Federal Regulations (CFR).
B	The airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
C	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable CFR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable CFR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country.
E	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in 14 CFR, Part 21, Section 21.161 or 21.217.

SDNY_GM_02757922

T TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15,

EFTA_00244844



U.S. Department
of Transportation
**Federal Aviation
Administration**

Engine & Propeller Directorate
Manufacturing Inspection District Office #44

400 Airport Drive, Room 102
New Cumberland, PA 17070-3419
Tel: (717) 782-4425
Fax: (717) 782-2231

EXPERIMENTAL OPERATING LIMITATIONS RESEARCH AND DEVELOPMENT

BUILDER: Keystone Helicopter Corporation MODEL: S-76C

SERIAL NUMBER: 760750

REGISTRATION NUMBER: N750A

DATE OF ISSUANCE: January 14, 2010

EXPIRATION DATE: February 13, 2010

1. No person may operate this aircraft unless the FAA form 8130-7, Special Airworthiness Certificate, is displayed at the cabin or cockpit entrance so that it is visible to passengers and crew.
2. No person may operate this aircraft for other than the purpose of **Research and Development** to accomplish the flight operation(s) outlined in the applicant's program letter dated **January 14, 2010**, describing compliance with §21.193(d), and made available to the pilot in command of the aircraft. Additionally, this aircraft shall be operated in accordance with applicable air traffic and general operating rules of part 91, and all additional limitations herein prescribed under the provisions of §91.319(e).
3. These limitations are a part of the FAA Form 8130-7, Special Airworthiness Certificate, and are to be carried in the aircraft at all times for availability to the pilot. Blocks A, D, and E on the reverse side of FAA form 8130-7 are a part of these operating limitations.
4. The owner/operator of this aircraft must ensure that a copy of the current program letter, and amendments, if any, are carried aboard this aircraft at all times.
5. The base of operation for this aircraft is as follows:
KMQS-Chester County Airport, Coatesville, Pa.

All operations shall be conducted from the base of operation.
6. All flights shall be conducted within the geographical flight test area described as follows:
within a 100 nautical mile radius of KMQS - Chester County Airport, Coatesville, Pa.

COPV

Page 1 of 4

SDNY_GM_02757923

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244845

EFTA01329708

SDNY_GM_02757924

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244846

EFTA01329709

7. Take-offs and landings from only the following airports within the assigned geographical flight test area are authorized:

Reading Regional Airport	KRDG	Reading, PA
New Castle Airport	KILG	Wilmington DE
Pottstown Limerick Airport	KPTW	Pottstown, PA
Lancaster Airport	KLNS	Lancaster, PA
Chester County Airport	KMQS	Coatesville, PA
Millville Airport	KMIV	Millville, NJ
New Garden Airport	KN57	Avondale, PA

8. No operations, including take-offs and landings, shall be conducted over densely populated areas or in congested airways, except when otherwise directed by Air Traffic Control.
9. No person shall operate this aircraft unless the replacement times for life-limited parts specified in the applicable technical publications pertaining to the aircraft and its components are complied with.
10. The pilot-in-command of this aircraft must, as applicable, hold an appropriate category/class rating. If required for the type of aircraft to be flown, the pilot in command must also hold either an appropriate type rating or a letter of authorization issued by an FAA Flight Standards Operations Inspector.
11. Unless appropriately equipped for night and/or instrument flight in accordance with §91.205, this aircraft shall be operated under Visual Flight Rules (VFR).
12. Aircraft instruments and equipment installed and used under §91.205 must be inspected and maintained in accordance with the requirements of 14 CFR part 91. Any maintenance or inspection of this equipment must be recorded in the aircraft maintenance records.
13. No person may operate this aircraft for carrying persons or property for compensation or hire.
14. No person may be carried in this aircraft during flight unless that person is essential to the purpose of the flight.
15. The pilot in command of this aircraft shall advise each person carried of the experimental nature of this aircraft, and explain that it does not meet the certification requirements of a standard certificated aircraft.
16. This aircraft shall contain the placards, markings, etc., as required by §91.9.
17. This aircraft is prohibited from aerobatic flight, i.e., an intentional maneuver involving an abrupt change in the aircraft's attitude, an abnormal attitude, or abnormal acceleration not necessary for normal flight.

SDNY_GM_02757926

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244848

EFTA01329711

18. This aircraft shall not be used for glider towing, banner towing, or intentional parachute jumping.
19. No person shall operate this aircraft unless within the preceding twelve (12) calendar months it has had a condition inspection performed in accordance with the scope and detail of appendix D to part 43, or other FAA approved programs, and found to be in a condition for safe operation. This inspection shall be recorded in the aircraft maintenance records.
20. Only FAA certificated personnel with appropriate ratings as authorized by §43.3 may perform inspections required by these operating limitations.
21. Inspections shall be recorded in the aircraft maintenance records showing the following or a similarly worded statement: **"I certify that this aircraft has been inspected on *(insert date)* in accordance with the Manufacturer's Inspection Program per FAR 91.403, (or other FAA approved programs) and was found to be in a condition for safe operation."** The entry will include the aircraft total time in service, and the name, signature, and certificate type and & number of the person performing the inspection.
22. If aircraft, engine, or propeller, operating limitations are exceeded, an appropriate entry shall be made in the aircraft records.
23. This aircraft shall not be operated unless it is maintained and inspected in accordance with the requirements of part 43, Maintenance, Preventive Maintenance, Rebuilding, and Alteration.
24. This aircraft shall display the word **EXPERIMENTAL** in accordance with §45.23(b).
25. The following placard shall be displayed inside the aircraft at all times, in letters at least 3/8 inches in height and in a location easily visible and legible to all persons entering the aircraft:

"PASSENGER NOTICE: THIS AIRCRAFT DOES NOT COMPLY WITH FEDERAL SAFETY REGULATIONS FOR STANDARD AIRCRAFT."
26. The pilot-in-command of this aircraft shall notify the air traffic control tower of the experimental nature of this aircraft when operating into or out of airports with operating air traffic control towers. The pilot in command shall plan routing that will avoid densely populated areas and congested airways when operating VFR.
27. The pilot in command of this aircraft shall notify Air Traffic Control of the experimental nature of this aircraft when operating under IFR conditions, and shall request routing which will avoid densely populated areas and congested airways.
28. This aircraft does not meet the requirements of the applicable, comprehensive, and detailed airworthiness code as provided by Annex 8 of the International Civil Aviation Organization (ICAO). The owner/operator of this aircraft must obtain written permission from another country's Civil Aviation Authority (CAA) prior to operating this aircraft in or over that country. That written permission must be carried aboard the aircraft together with the U.S.

Page 3 of 4
COPY

SDNY_GM_02757927

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244849

EFTA01329712

SDNY_GM_02757928

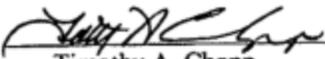
SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244850

EFTA01329713

airworthiness certificate and, upon request, be made available to an FAA inspector or the CAA in the country of operation.

29. Any major change to this aircraft, as defined by §21.93, invalidates the Special Airworthiness Certificate issued for this aircraft.
30. Application shall be made to FAA New Cumberland MIDO at telephone number (717) 782-4425, for any revision to these operating limitations.
31. In accordance with §47.45, the FAA Aircraft Registry must be notified within 30 days for any change of the aircraft registrant's address. Such notification is to be made in the form of a submission of an FAA Form 8050-1, Aircraft Registration Application.
32. All airworthiness directives applicable to this aircraft, or any part thereof, shall be complied with in accordance with the requirements of 14 CFR part 39.

Issued by:  Date: 14 Jan. 2010
Timothy A. Chopp
ODA-800670-NE

Page 4 of 4

COPY

SDNY_GM_02757929

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244851

EFTA01329714



SDNY_GM_02757930

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

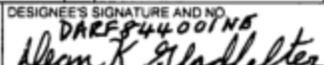
EFTA_00244852

EFTA01329715

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

Form Approved O.M.B. No. 2120-0018
09/30/2007

Accepted M/G Apr/16/2009

 <p>U.S. Department of Transportation Federal Aviation Administration</p>		<p>APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE</p>		<p>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.</p>																																																																																																	
I. AIRCRAFT DESIGNATION	1. REGISTRATION MARK	2. AIRCRAFT BUILDER'S NAME (Make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFR.	FAA CODING																																																																																																
	N750A	Keystone Helicopter Corp	S76C	2008																																																																																																	
	5. AIRCRAFT SERIAL NO.	6. ENGINE BUILDER'S NAME (Make)	7. ENGINE MODEL DESIGNATION																																																																																																		
	760750	Turbomeca	Arriel 2S2																																																																																																		
8. NUMBER OF ENGINES	9. PROPELLER BUILDER'S NAME (Make)	10. PROPELLER MODEL DESIGNATION				11. AIRCRAFT IS (Check if applicable)																																																																																															
2	N/A	N/A				IMPORT																																																																																															
APPLICATION IS HEREBY MADE FOR: (Check applicable items)																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">A</td> <td style="width: 5%;">1</td> <td style="width: 45%;"><input checked="" type="checkbox"/> STANDARD AIRWORTHINESS CERTIFICATE (Indicate Category)</td> <td style="width: 5%;"><input type="checkbox"/> NORMAL</td> <td style="width: 5%;"><input type="checkbox"/> UTILITY</td> <td style="width: 5%;"><input type="checkbox"/> ACROBATIC</td> <td style="width: 5%;"><input checked="" type="checkbox"/> TRANSPORT</td> <td style="width: 5%;"><input type="checkbox"/> COMMUTER</td> <td style="width: 5%;"><input type="checkbox"/> BALLOON</td> <td style="width: 5%;"><input type="checkbox"/> OTHER</td> </tr> </table>								A	1	<input checked="" type="checkbox"/> STANDARD AIRWORTHINESS CERTIFICATE (Indicate Category)	<input type="checkbox"/> NORMAL	<input type="checkbox"/> UTILITY	<input type="checkbox"/> ACROBATIC	<input checked="" type="checkbox"/> TRANSPORT	<input type="checkbox"/> COMMUTER	<input type="checkbox"/> BALLOON	<input type="checkbox"/> OTHER																																																																																				
A	1	<input checked="" type="checkbox"/> STANDARD AIRWORTHINESS CERTIFICATE (Indicate Category)	<input type="checkbox"/> NORMAL	<input type="checkbox"/> UTILITY	<input type="checkbox"/> ACROBATIC	<input checked="" type="checkbox"/> TRANSPORT	<input type="checkbox"/> COMMUTER	<input type="checkbox"/> BALLOON	<input type="checkbox"/> OTHER																																																																																												
B SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)																																																																																																					
7 PRIMARY																																																																																																					
9 LIGHT-SPORT (Indicate Class)																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;">AIRPLANE</td> <td style="width: 10%;">POWER-PARACHUTE</td> <td style="width: 10%;">WEIGHT-SHIFT-CONTROL</td> <td style="width: 10%;">GLIDER</td> <td style="width: 10%;">LIGHTER THAN AIR</td> </tr> </table>										AIRPLANE	POWER-PARACHUTE	WEIGHT-SHIFT-CONTROL	GLIDER	LIGHTER THAN AIR																																																																																							
		AIRPLANE	POWER-PARACHUTE	WEIGHT-SHIFT-CONTROL	GLIDER	LIGHTER THAN AIR																																																																																															
2 LIMITED																																																																																																					
5 PROVISIONAL (Indicate Class)																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td style="width: 5%;">1</td> <td colspan="3">CLASS I</td> </tr> <tr> <td></td> <td>2</td> <td colspan="3">CLASS II</td> </tr> </table>									1	CLASS I				2	CLASS II																																																																																						
	1	CLASS I																																																																																																			
	2	CLASS II																																																																																																			
3 RESTRICTED (Indicate operation(s) to be conducted)																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td style="width: 5%;">1</td> <td style="width: 15%;">AGRICULTURE AND PEST CONTROL</td> <td style="width: 5%;">2</td> <td style="width: 15%;">AERIAL SURVEY</td> <td style="width: 5%;">3</td> <td style="width: 15%;">AERIAL ADVERTISING</td> </tr> <tr> <td></td> <td>4</td> <td>FOREST (Wildlife Conservation)</td> <td>5</td> <td>PATROLLING</td> <td>6</td> <td>WEATHER CONTROL</td> </tr> <tr> <td></td> <td>0</td> <td colspan="5">OTHER (Specify)</td> </tr> </table>									1	AGRICULTURE AND PEST CONTROL	2	AERIAL SURVEY	3	AERIAL ADVERTISING		4	FOREST (Wildlife Conservation)	5	PATROLLING	6	WEATHER CONTROL		0	OTHER (Specify)																																																																													
	1	AGRICULTURE AND PEST CONTROL	2	AERIAL SURVEY	3	AERIAL ADVERTISING																																																																																															
	4	FOREST (Wildlife Conservation)	5	PATROLLING	6	WEATHER CONTROL																																																																																															
	0	OTHER (Specify)																																																																																																			
4 EXPERIMENTAL (Indicate operation(s) to be conducted)																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td style="width: 5%;">1</td> <td colspan="3">RESEARCH AND DEVELOPMENT</td> <td style="width: 5%;">2</td> <td colspan="2">AMATEUR BUILT</td> <td style="width: 5%;">3</td> <td colspan="2">EXHIBITION</td> </tr> <tr> <td></td> <td>4</td> <td colspan="3">AIR RACING</td> <td>5</td> <td colspan="2">CREW TRAINING</td> <td>6</td> <td colspan="2">MARKET SURVEY</td> </tr> <tr> <td></td> <td>0</td> <td colspan="10">TO SHOW COMPLIANCE WITH THE CFR</td> </tr> <tr> <td></td> <td>7</td> <td colspan="10">OPERATING (Primary Category) KIT BUILT AIRCRAFT</td> </tr> <tr> <td></td> <td>8</td> <td colspan="2">OPERATING LIGHT-SPORT</td> <td colspan="8"></td> </tr> <tr> <td></td> <td></td> <td>BA</td> <td colspan="9">Existing Aircraft without an airworthiness certificate & do not meet § 103.1</td> </tr> <tr> <td></td> <td></td> <td>BB</td> <td colspan="9">Operating Light-Sport Kit-Built</td> </tr> <tr> <td></td> <td></td> <td>BC</td> <td colspan="9">Operating light-sport previously issued special light-sport category airworthiness certificate under § 21.190</td> </tr> </table>									1	RESEARCH AND DEVELOPMENT			2	AMATEUR BUILT		3	EXHIBITION			4	AIR RACING			5	CREW TRAINING		6	MARKET SURVEY			0	TO SHOW COMPLIANCE WITH THE CFR											7	OPERATING (Primary Category) KIT BUILT AIRCRAFT											8	OPERATING LIGHT-SPORT												BA	Existing Aircraft without an airworthiness certificate & do not meet § 103.1											BB	Operating Light-Sport Kit-Built											BC	Operating light-sport previously issued special light-sport category airworthiness certificate under § 21.190								
	1	RESEARCH AND DEVELOPMENT			2	AMATEUR BUILT		3	EXHIBITION																																																																																												
	4	AIR RACING			5	CREW TRAINING		6	MARKET SURVEY																																																																																												
	0	TO SHOW COMPLIANCE WITH THE CFR																																																																																																			
	7	OPERATING (Primary Category) KIT BUILT AIRCRAFT																																																																																																			
	8	OPERATING LIGHT-SPORT																																																																																																			
		BA	Existing Aircraft without an airworthiness certificate & do not meet § 103.1																																																																																																		
		BB	Operating Light-Sport Kit-Built																																																																																																		
		BC	Operating light-sport previously issued special light-sport category airworthiness certificate under § 21.190																																																																																																		
8 SPECIAL FLIGHT PERMIT (Indicate operation(s) to be conducted, then complete Section VI or VII as applicable on reverse side)																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td style="width: 5%;">1</td> <td colspan="10">FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE, OR STORAGE</td> </tr> <tr> <td></td> <td>2</td> <td colspan="10">EVACUATION FROM AREA OF IMPENDING DANGER</td> </tr> <tr> <td></td> <td>3</td> <td colspan="10">OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT</td> </tr> <tr> <td></td> <td>4</td> <td colspan="4">DELIVERING OR EXPORTING</td> <td>5</td> <td colspan="5">PRODUCTION FLIGHT TESTING</td> </tr> <tr> <td></td> <td>6</td> <td colspan="10">CUSTOMER DEMONSTRATION FLIGHTS</td> </tr> </table>									1	FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE, OR STORAGE											2	EVACUATION FROM AREA OF IMPENDING DANGER											3	OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT											4	DELIVERING OR EXPORTING				5	PRODUCTION FLIGHT TESTING						6	CUSTOMER DEMONSTRATION FLIGHTS																																											
	1	FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE, OR STORAGE																																																																																																			
	2	EVACUATION FROM AREA OF IMPENDING DANGER																																																																																																			
	3	OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT																																																																																																			
	4	DELIVERING OR EXPORTING				5	PRODUCTION FLIGHT TESTING																																																																																														
	6	CUSTOMER DEMONSTRATION FLIGHTS																																																																																																			
C 6 MULTIPLE AIRWORTHINESS CERTIFICATE (check ABOVE "Restricted Operation" and "Standard" or "Limited" as applicable)																																																																																																					
III. OWNER'S CERTIFICATION																																																																																																					
A. REGISTERED OWNER (As shown on certificate of aircraft registration) IF DEALER, CHECK HERE <input checked="" type="checkbox"/>																																																																																																					
NAME Keystone Helicopter Corporation				ADDRESS 110 Stewart Haddon Dr. Coatesville, PA, 19320																																																																																																	
B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)																																																																																																					
<input checked="" type="checkbox"/> AIRCRAFT SPECIFICATION OR TYPE CERTIFICATE DATA SHEET (Give No. and Revision No.) HINE Rev. 27				<input checked="" type="checkbox"/> AIRWORTHINESS DIRECTIVES (Check if all applicable AD's are complied with and give the number of the last AD SUPPLEMENT available in the biweekly series as of the date of application) 2008-24 dated November 24, 2008																																																																																																	
AIRCRAFT LISTING (Give page number(s)) N/A				SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated) N/A																																																																																																	
C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS																																																																																																					
<input checked="" type="checkbox"/> CHECK IF RECORDS IN COMPLIANCE WITH 14 CFR Section 91.417				TOTAL AIRFRAME HOURS 3.2 hours		3 EXPERIMENTAL ONLY (Enter hours flown since last certificate issued or renewed) N/A																																																																																															
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, et seq. 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 December 8, 2008		NAME AND TITLE (Print or type) Lisa R. Dolph, Quality Inspector			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.)																																																																																															
5		AIRCRAFT MANUFACTURER (Give name or firm)																																																																																																			
DATE		TITLE			SIGNATURE																																																																																																
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				<input checked="" type="checkbox"/> THE CERTIFICATE REQUESTED																																																																																																	
B. Inspection for a special permit under Section VII was conducted by:				<input type="checkbox"/> AMENDMENT OR MODIFICATION OF CURRENT AIRWORTHINESS CERTIFICATE																																																																																																	
DATE		DISTRICT OFFICE		DESIGNEE'S SIGNATURE AND NO.		FAA INSPECTOR'S SIGNATURE																																																																																															
Dec. 8, 2008		ANE-MIDO-44		4  DARE844001NS Dean K. Gladfelter		1																																																																																															

FAA Form 8130-6 (10-04) Previous Edition Dated 5/01 May be Used Until Deleted, Except for Light-Sport Aircraft NSN: 0052-00-024-7006

Dean K. Gladfelter

SDNY_GM_02757931

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244853

EFTA01329716

VI. PRODUCTION FLIGHT TESTING	A. MANUFACTURER				
	NAME		ADDRESS		
	B. PRODUCTION BASIS (Check applicable item)				
	<input type="checkbox"/> PRODUCTION CERTIFICATE (Give production certificate number) _____ <input type="checkbox"/> TYPE CERTIFICATE ONLY <input type="checkbox"/> APPROVED PRODUCTION INSPECTION SYSTEM				
	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		
	BUILDER (Make)		MODEL		
	SERIAL NUMBER		REGISTRATION MARK		
	B. DESCRIPTION OF FLIGHT		CUSTOMER DEMONSTRATION FLIGHTS <input type="checkbox"/> (Check if applicable)		
	FROM		TO		
	VIA		DEPARTURE DATE	DURATION	
	C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT				
	<input type="checkbox"/> PILOT		<input type="checkbox"/> CO-PILOT	<input type="checkbox"/> FLIGHT ENGINEER	<input type="checkbox"/> 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 (ATTACHESSES use only)	<input checked="" type="checkbox"/> 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)		
	<input checked="" type="checkbox"/> D. Current Weight and Balance Information Available in Aircraft		J. Current Airworthiness Certificate Issued in Accordance with 14 CFR Section <u>21.183 (A)</u> (Copy Attached)		
	E. Major Repair and Alteration, FAA Form 337 (Attach when required)		<input checked="" type="checkbox"/> K. Light-Sport Aircraft Statement of Compliance, FAA Form 8130-15 (Attach when required)		
	<input checked="" type="checkbox"/> F. This inspection Recorded in Aircraft Records				

FAA Form 8130-6 (10-04) Previous Edition Dated 5/01 May be Used Until Depleted, except for Light-Sport Aircraft

NSN: 0052-00-024-7006

SDNY_GM_02757932

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244854

EFTA01329717

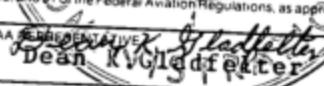
UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS N750A	2 MANUFACTURER AND MODEL Keystone Helicopter Corporation S-76C	3 AIRCRAFT SERIAL NUMBER 760750	4 CATEGORY Transport
--	--	---	--------------------------------

5. AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 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 Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 81 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE Dec 08, 2008	FAA SIGNATURE  Dean K. Volz	DESIGNATION NUMBER DARF844001NE
---	---	---

Any alteration, reproduction, or misuse of this certificate may be punished 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.

FAA Form 8100-2 (8-82) GPO U.S. GOVERNMENT PRINTING OFFICE 2006-553-543

SDNY_GM_02757933

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244855

EFTA01329718

SDNY_GM_02757934

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244856

EFTA01329719



Sikorsky
A United Technologies Company

AIRCRAFT ACCEPTANCE DATA

SECTION: 4
PAGE 1

MODEL NO: S76C **REGISTRATION NO:** **SERIAL NO: 760750**

REMARKS - PILOT OR INSPECTOR	SIGNATURE	DATE
I certify that this aircraft, S/N 760750 has been built and inspected in accordance with FAA Type Design Data and was found to be in a condition for safe operation.	<i>[Signature]</i> Jeremy Parker, KHC Flight Inspector	12-3-08
The aircraft meets the minimum requirements for flight testing and FAA Form 8130-7, Special Flight Permit has been issued for the purpose of Production Flight Testing dated 12/03/08, expiring 12/31/08. Date: 12/05/2008 Production Flight Test completed in accordance with KHC ATP-25113, Rev G, dated 08/16/08, and was determined to be airworthy.	<i>[Signature]</i> Shaun Gebhard, KHC Flight Supervisor	12-3-08
I certify that this aircraft, S/N 760750 has been built and inspected in accordance with FAA Type Design Data, under FAA Production Certificate 121NE and was found to be in a condition for safe operation.	<i>[Signature]</i> Charles W. Evans, Lic. No. 1737818	12-05-08
I have determined this A/C meets the requirements for the certificate requested and I have issued FAA form 8100-2, dtd December 8, 2008 for standard airworthiness. This certificate does not change scheduled A/C inspection. Aircraft total time: 3.2 hrs Total Landing: 6	<i>[Signature]</i> Lisa Dolph, KHC Flight Inspector	12/8/2008
	<i>[Signature]</i> ANE-M108-44 Dean K. Gladfelter	DEC 08, 2008

VERIFY CURRENT REVISION OF FORM

SA 7343-6 Revision 02/15/2005

SDNY_GM_02757935

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244857

EFTA01329720

SDNY_GM_02757936

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244858

EFTA01329721



U.S. Department
of Transportation
**Federal Aviation
Administration**

Flight Standards Service
Aircraft Registration Branch, AFS-750

P.O. Box 25504
Oklahoma City, Oklahoma 73125-0504
(405) 954-4206
Toll Free: 1-866-704-4715
WEB Address: <http://registry.faa.gov>

September 9, 2008

KEYSTONE HELICOPTER CORP
110 STEWART HUSTON DR
COATESVILLE PA 19320
|||||

Dear Sirs:

United States identification mark N750A has been assigned to KEYSTONE HELICOPTER CORP S-76C-2, serial number 760750, Mode S Transponder Code 52415011 as requested by you. This manufacturer's assignment of special registration number cannot be used as an authorization for a number change.

If we may be of further assistance, please contact the Aircraft Registration Branch at (405) 954-4206 or toll free 1-866-704-4715.

Sincerely,

Legal Instruments Examiner
Aircraft Registration Branch

AFS-750-SUPPORT-5 (9/04)

DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION DEALER'S AIRCRAFT REGISTRATION CERTIFICATE		UNITED STATES OF AMERICA
DATE OF ISSUE Jan 14 2008	DATE OF EXPIRATION Jan 13 2009	CERTIFICATE NO. 0001877
ISSUED TO KEYSTONE HELICOPTER CORP 110 STEWART HUSTON DR COATESVILLE PA 19320-1646		
The above manufacturer or dealer has complied with Sections 47.63 and 47.65 of the Federal Aviation Regulations. This aircraft is a registered civil aircraft of the United States under the Federal Aviation Act of 1958 when this certificate is carried in the aircraft and the aircraft (1) is owned by the above manufacturer or dealer, and (2) is operated for a purpose permitted in Section 47.69 of the Federal Aviation Regulations.		
 Administrator		THIS CERTIFICATE IS VALID ONLY IN CONNECTION WITH USE OF THE AIRCRAFT UNDER SECTION 47.69 OF THE FEDERAL AVIATION REGULATIONS. (See reverse side)
 U.S. Department of Transportation Federal Aviation Administration		

SDNY_GM_02757937

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244859

EFTA01329722

FAA		
ANE-MIDO-44		
DEC 23 2008		
ACT.	INFO.	ACZ
HC		<i>[Signature]</i>

12/20/08

SDNY_GM_02757938

SUBJECT TO PROTECTIVE ORDER PARAGRAPHS 7, 8, 9, 10, 15, and 17

EFTA_00244860

EFTA01329723