

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

Form	App	roved	
OME	No.	2120-	กกวก

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries See FAR 43.9 FAR 43.0

1. Aircraft	Make B	Bell			Model	206L-3					
i. Ancian	Serial No.	1529		Nationality and Re				·			
		wn on registration	certific	ate)	Addres	N3116L					
2. Owner	1	Safeco Credit		i de la constitución de la const							
_				Saleco Plaza Seattle, WA 98185							
				3. For FAA	Use Only	Scarre,	WA 90	163			
				4. Unit Ider	ntification		· · · · · · · · · · · · · · · · · · ·	5. Type			
Unit	Make			Mode		Serial N	O. 1	Repair	Alteration		
AIRFRAME	****	······································	(As de	escribed in Item	1 above)	·····			X		
POWERPLANT							,				
ROPELLER											
	Туре										
PPLIANCE	Manufacturer						. •				
				6. Conformity	Statement						
	ime and Address			B. Kind of A			C. Certif	icate No.	·		
	Helicopters,	Inc.				ated Mechanic Airframe Powerplant and					
P.O. Box 9	-				ed Repair Station	tificated Mechanic					
	LA 70509			Manufact	urer			3 - CRS No. HI			
furnished I	at the repair and/ made in accorda herein is true and	or alteration made ance with the requi	to the u rement it of my	nit(s) identified s of Part 43 of t knowledge.	in item 4 above a he U.S. Federal	ind described on th Aviation Regulatio	ne reverse o	or attachmen at the informa	ts hereto ation		
9-3C	0-95			Signature of	Authorized Indiv	vidual			-		
			7. Ai	pproval for Retu	ur To Samina	any					
Pursuant to th Administrator	ne authority give of the Federal A	en persons specific viation Administrat	d belo	w the unit ide.	ntified in item 4	was inspected in	the mann	er prescribe	d by the		
	It. Standards	Manufacturer		Inspection Aut		Other (Specify)					
1 1	,101					1					
FAA F Inspec	esignee X	Repair Station Certificate or		Canada Airwor	ed by Transport thiness Group uthorized Indivi						

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.)

INSTALLED THE FOLLOWING EQUIPMENT

Drawing Number Station System PHI-11108 28.53 1. 2nd F-F/40 FM Radio

Battery and generator are sufficient for electrical load according to AC 43.13-2A, paragraph 27d, Chapter 2.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC 43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC 43.13-1A, Chapter 11, section 7, paragraph 518.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, Chapter 2, paragraph 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC 43.13-2A, Chapter 2, paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, Chapter 1, paragraph 8.

Antenna installation located and installed similar to AC 43.13-2A, Chapter 3, paragraph 36a, b and 38b. Also followed guidelines of paragraph 42.

Compass corrected as required.

Weight and balance amended as required.

END



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

Form Approved
OMBNo. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

such v	/iolation (Section 901 Fed	ieral A	Aviation Act of 195	58).		•	•	,	,			
1. Aircraft Serial No. 5/529							Model	2062-3					
		Serial No.	5/5	579				Mark					
				n registration cert	ificate)		Addres	S V3//6	tration ce	rtificate)		
2. Ov	wner					PT	ers, Inc	2001 SE EVANGELINE THRUWAY LA fay Ette, LA 70508-2156					
						3.	For FAA Use O	nly		/			
						-							
						4.	Unit identificati	on	<u> </u>		5. Type	1	
U	Jnit		Make	9			Model		Serial No.		Repair	Alteration	
AIRFR	AME	≣				scrib	oed in Item 1 above)					
POWE	RPLANT	Rolls Royce				2	See Item 8 _5 0 - C 3D I	ρ	CAE 895559 CAT 29904 ×				
PROPE	ELLER												
APPLIA	NCE	Type , Manufacturer											
										ĺ			
					6	_	onformity Staten	nent					
A. Age	ency's Nar	ne and Address				B.	Kind of Agency U.S. Certificated	Mochar	nio.	C. Certi	ficate No.		
STA	NDARC	AERO LIMI	TED	i		\vdash	Foreign Certifica			AMO 2	22 50		
		YNE ROAD				X	 			AIVIO 2	.2-56		
				NADA R3H 1	A1		Manufacturer						
been m	nade in ac	ne repair and/or cordance with the best of my kno	he rec	quirements of Part	unit(s t 43 of) idei the	ntified in item 4 abo U.S. Federal Aviatio	ve and o	described on the revelations and that the in	rse or atta formation	schments here fumished her	eto have rein is true	
Date						Sig	gnature of Authorize	ed Indivi	dual				
		05 / July /	200	2									
						-	ary Rozmus		Mazom				
Pursuai	nt to the a	uthority given p	erson				val for Return to lentified in item 4 w		cted in the manner p	rescribed	hy the Admin	strator of	
				d is X APPRO			REJECTED		,		~,	oudio, o,	
		It. Standards		Manufacturer		In	spection Authoriza	tion	Other (Specify)				
BY	FAA	Designee		Repair Station	X	T	erson Approved by ransport Canada irworthiness Group						
Date of	APPROV		'	Certificate or Designation No.	<u> </u>	S	ignature of Authoriz						
A A F		ly / 2002		AMO 22-58			ary Rozmus	_//	Mozmus				
HA FOR	m 337 (12	-00)					-		0				

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 coformity 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.)

ROLLS-ROYCE 250/C30 2ND STAGE NOZZLE ASSY P/N 23055438 S/N X54373 THE PRODUCT IDENTIFIED ABOVE HAS BEEN OVERHAULED IN ACCORDANCE WITH ROLLS-ROYCE 250/C30 OVERHAUL MANUAL 14W3 EDITION 2 REVISION 8 DATED 01 NOVEMBER 2001, AMC-OIL 12 REVISION 15 DATED 25 SEPTEMBER 2001 AND THE CURRENT MAINTENANCE RULES OF THE CANADIAN AVIATION REGULATIONS. THE PRODUCT IS APPROVED FOR RETURN TO SERVICE IN COMPLIANCE WITH CAR 571 AND FAR PART 43.17. ALL PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS ORGANIZATION UNDER WORK ORDER L378290.

REFERENCE PO: PO0072179 T.T.S.N.: UNK T.T.S.O.: 0.0

SEAL BORE: 1.833" - 1.834" 1ST BLADE PATH: 6.266" - 6.267" 2ND BLADE PATH: 6.693" - 6.694"

FLOW AREA: 6.92

CEB 72-3188 R2 EMBODIED

GARY ROZMUS CANADIAN APPROVED INSPECTOR FOR STANDARD AERO LTD.

AMO 22-58

NOT **INSTALLED**

Addition Sheets Are Attached



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

Form Approved OMBNo. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appe	indix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and
disposition of this form. This report is required by law (49 U.S.C. 1421).	Failure to report can result in a civil penalty not to exceed \$1,000 for each
such violation (Section 901 Federal Aviation Act of 1958).	, , , , , , , , , , , , , , , , , , , ,

30011 71	Such violation (Section 901 Federal Aviation Act of 1936).											
l	_	Make Ro	(Model	70/1 7				
1. Aircraft BELL Serial No. 5157 9								<u> 206ム- 3</u> lity and Registration			······································	
		5	1529				رن	* * 131	161			
			n on registration cen		Address (As shown on registration certificate)							
2. Ow	ner	Petpols	um Heli	$c \sim c$	TERS, INC 2001 SE EVANGELING THRUWAY							
		CROCE		-up	TERS, INC 2001 38 EVANGELING THRUWAY (Afayette, LA 70508-2156							
						3. For FAA Use Only						
												
					4.	Unit Identificat	ion 1			5. Type		
Ur	nit	٨	/lake			Model	ĺ	Serial No.		Repair	Alteration	
AIRFRA	ME	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	/As des	crihe	ed in Item 1 above	l					
AINTINA			,	/ 10 GOC	,0,1,50	ou in item i ubove	,					
							CAE 8955.	59				
POWER	POWERPLANT SEE BLOCK#8 RO/IS ROYCE			رو	see block#8 50- <i>C</i> 30/	0	CHE 8 133 SEE BLOCK	¥8 ·	X X			
		Kolls Royce				50-6301		CHI TH	104			
PROPE	LLER											
		Туре										
APPLIAN	NCE	Manufacturer										
		Manufacture								ļ		
				6.		nformity Stater	nent		,			
A. Ager	ncy's Nar	me and Address			B. Kind of Agency C. Certificate No.							
STAN	NDARD	AERO LIMITI	FD						AMO	22-58		
		YNE ROAD			X Certificated Repair Station				22°00			
WINN	NIPEG,	MANITOBA,	CANADA R3H 1	IA1		Manufacturer						
D. I cert	tify that t	ne repair and/or a	Iteration made to the	unit(s)	ideni	tified in item 4 abo	ve and de	escribed on the reve	rse or att	achments her	eto have	
and corr	ect to the	e best of my know	requirements of Part ledge.	43 01 1	ne u	.5. Federal Aviatio	on Regula	itions and that the ir	itormatioi	n turnisnea ne	rein is true	
MAY/	16/200	2			Sig	nature of Authorize	ed Individ	ual				
						•			フ			
			· · · · · · · · · · · · · · · · · · ·		GA	RY ROZMU	s >	Rozn	rue			
Durana	44-44					al for Return to						
			sons specified below and is X APPRO			entified in Item 4 w EJECTED	as inspec	ited in the manner p	rescribed	by the Admin	istrator of	
		It. Standards	Manufacturer		-	spection Authoriza	tion	Other (Specify)				
	Inspe					•						
BY	FAA	Designee	Repair Station	x	Tra	rson Approved by ansport Canada worthiness Group						
MAY/1	6/200	2	Certificate or	1		nature of Authoriz		dual				
• • • •	• •		Designation No.					11/)			
			AMO 22-58		G	ARY ROZMU	is 🤝	Xoza	201 ·			
AA Form				,	<u> </u>				-ua			

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 coformity 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.)
Rolls Royce 250/C30 3 rd stg. nozzle P/N 23057160 S/N MK56872 The product identified has been overhauled in accordance with Rolls-Royce 250/C30 overhaul manual 14W3 edition 2 revision 8 dated Nov/1/01, Amc-oil 20 revision 8 dated Nov/14/01 and the current maintenance rules of the Canadian Aviation Regulations and Federal Aviation Regulations. The product is approved for return to service in compliance with CAR 571 and FAR PART 43.17. All pertinent details of the work performed are on file at this organization under Work Order No: L378271
Reference P/O: P00076988
Flow area 14.91
T.T.S.N. UNK. T.T.S.0. 0.0
THE OWNER AND/OR OPERATOR WHO INSTALLS THIS UNIT MUST COMPLETE BLOCKS ONE AND TWO
GARY ROZMUS CANADIAN APPROVED IMSPECTOR FOR STANDARD AERO LTD. AMO 22-58
E N DE N D
NOT
INSTALLED
Addition Sheets Are Attached

US Department of Transportation

Federal Aviation Administration

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

orm	Appr	oved	
ОМВ	No.	2120	-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

i i		Make						Model				
l		Bell						206	L-3			
1. Ai	rcraft	Serial No.					Nationality and Registra			on Mark		
		513						N36	3BH			
		Name (As s	how	n on registration cer	tifica	te)			(As shown on reg		certificate)	
2. Ov	wner	Petro	olei	ım Helicopters,]	Inc.			113	Borman Drive	е		
								Laf	ayette, LA 70	508		
						3.	For FAA Use Or	nly				
			<u>-</u>			4.	Unit Identification	o n			5. Type	
L	Jnit ————	Make					Model		Serial No) .	Repair	Alteration
AIRFR	AME	(As de					d in Item 1 abov	e)	***************************************	•		X
POWE	RPLANT											
PROPE	ELLER											
		Туре			·							
APPLIA	ANCE											İ
		Manufacture	er								ŀ	-
						6. Co	nformity Statem	ent			<u> </u>	<u> </u>
A. Ag	ency's Na	ame and Addr	ess				Kind of Agency			C. Certi	ficate No.	
		Helicopter	rs, I	nc.			U.S. Certificated	Mechanic		Airframe,	Powerplant, ar	d
P.O	Box 9	8080				-	Foreign Certifica	ted Mecha	inic	Accessoria	ec I imited . De	dio Class
Lafa	ayette,	LA 70509)			X	Certificated Repa	Accessories Limited - R				
						<u> </u>	Manufacturer			L		
• • • • • • • • • • • • • • • • • • • •	ave beer	made in acce	urua.	or alteration made to t nce with the requirer correct to the best o	nents	SOLE	art 43 of the U.S	4 above a Federal	and described on ti Aviation Regulation	he reverse ons and th	or attachme at the inform	nts hereto ation
Date						Sig	nature of Author	ized Indi	vidual			
	4-	22-9	7				Mell		UL)	3/1.		
					7. Ap	prova	al for Return To	Service				-
Purs Adm	uant to t inistrator	he authority of the Federa	give:	n persons specified iation Administration	belov	w, the	unit identified APPROVED	in item 4	was inspected in	the man	ner prescribe	ed by the
3Y	FAA I Inspe	It. Standards ctor		Manufacturer		Insp	ection Authorizat	ion	Other (Specify)			
		Designee	X	Repair Station			on Approved by I					
)ate of		lor Rejection 1ータケ		Certificate or Designation No.		Sign	nature of Authori	zed Indiv	<i></i>	211	u Z	

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

9.

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

INSTALLED THE FOLLOWING EQUIPMENT

	System	1			Station	Į.		D i	rawing !	Number	
1	KX 165 VHF/NAV	•			73.00			1	PHI 2061	. 12422	
1. 2.	KY 196A VHF #2				66.05]	PHI 2061	. 12574	
	KR 87 Automatic Directio	n Finder	* -		49.87]	PHI 2061	, 12311	
3. 4.	Trimble 2000A GPS				47.31			PHI	206L 12	562, Rev.	Α.
- 5.	FM #1 & FM #2 Antennas				161.00				N/A	A	
6.	KRA 10 Radar Altimeter	-			134.45			P.	HI 11003	Rev. C	
7.	ELT 110-4				19.00			- 1	PHI 2061	12235	
7. 8.	D120-P2T Blind Encoder				22.00		PHI 2	206L 1109	94, PHI 2	06L-1 RI	525, Rev. B
9.	Turn & Slip				39.00			P	HI 10387	7, Rev. 3	
10.					76.00			PHI	206L 123	369, Rev.	A
11.					53.00			116	03/PHI 2	206-RI-525	5
<u> </u>					44.00			PHI 2	06L-1 12	2308, Rev.	A
		. 49		•							
Inc	lividual systems protected by	the circuit			_				4	•	
1.	10 amp.	2.	10	amp.	3.	1	_	amp.	4.	2	amp.
- 5.	N/A amp.	6.	1	amp.	7.	¼ amp.	fuse	amp.	8.	3	amp.

Installed AMS-44 Audio System in accordance with PHI-206L-1 12308, Rev. A with the exception of only one AMS-44 audio control and associated wiring. Second audio control and wiring are not installed at this time.

11.

amp.

Transponder and system were tested, inspected, and found to comply with FAR 91,413 and FAR 43 Appendix F. Pressure Altitude Reporting System was tested, inspected, and found to comply with FAR 91.411 and FAR 43 Appendix E, paragraph C.

Installation made to withstand loads as per FAA advisory circular AC 43.13-2A, Chapter 1, paragraph 2.

35

10.

amp.

Battery and generator are sufficient for electrical load according to AC 43.13-2A, paragraph 27d, Chapter 2.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC 43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC 43.13-1A, Chapter 11, section 7, paragraph 518.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, Chapter 2, paragraph 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC 43.13-2A, Chapter 2, paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, Chapter 1, paragraph 8.

Antenna installation located and installed similar to AC 43.13-2A, Chapter 3, paragraph 36a, b and 38b. Also followed guidelines of paragraph 42.

Compass corrected as required.

Weight and balance amended as required.

Additional Sheets Are Attached

1

amp.

amp.

12.

US Department of Transportation

Federal Aviation Administration

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

orm /	Appr	roved	
ОМВ	No.	2120-0020)

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	ch violation (Sec				/-							
•	Make					/lodel	_					
1. Aircraft	Bell Serial No.					206L-3 Nationality and Registration Mark						
	51345						lity and Registrati 3BH	on Mark				
		wn on registration o	ortifica	· ·								
		-		(e)	1 A	certificate)						
2. Owner	Petrole	eum Helicopters	Inc.									
					\	Lafa	yette, LA 70	508				
		-		3.	For FAA Use Only	· · · · · · · · · · · · · · · · · · ·			·			
						-						
		* ·										
	T -		7	4.	Unit Identification				5. Type			
Unit	<u> </u>	Make			Model		Serial No).	Repair	Alterati		
					I			 	 			
AIRFRAME	****	***************************************	(As des	cribe	ed in Item 1 above)				ļ	X		
		Τ										
OWERPLANT												
									1			
ROPELLER												
HOFELLA			ŀ						ν,	· ·		
	Туре		†									
PPLIANCE										,		
	Manufacturer					-						
		 				<u>. </u>						
Agency's Na	me and Address		6	_	nformity Statemen	t						
Petroleum I	Helicopters, 1			B.	Kind of Agency	·		C. Certif	icate No.			
P.O. Box 90	rencopters, i	nc.		<u> </u>	U.S. Certificated Me			Airframe, P	owerplant, and			
				X	Foreign Certificated		nic		Limited - Radi			
Lafayette, L	A 70509			A	Certificated Repair	Station						
D. Loertifyth	at the repair and	/a-alta-ati		<u> </u>	Manufacturer			1, 2, and 3 -	CRS No. HEE	R617E		
		or alteration made to ance with the required correct to the best				bove a deral <i>l</i>	nd described on th Aviation Regulatio	ne reverse one and that	or attachmer at the inform	nts hereto ation		
ate	- Total is true and	d correct to the best	or my i	VIIOW	reuge.					-		
//	- O.				nature of Authorize		idual	. /				
400	1-97				Miller	L		2/4.				
		~	7. Ap		il for Return To Sei		· Men	max o				
Pursuant to the	ne authority give	en persons specified viation Administration	1 helow	the,	unit identified in	item 4	was inspected in	the mann	er prescribe	d by the		
	It. Standards			-	AFFROVED	U NE	JECTED Other (Specify)			-		
Inspec		Manufacturer		Inspe	ection Authorization		Other (Specify)					
FAA	esignee X	Repair Station		Cana	on Approved by Tran ada Airworthiness G	oup						
te of Approval	or Rejection 7-9 7	Certificate or Designation No.		Sign	ature of Authorized		1 1 . 1	13/	/			
		HEER617E										

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.)

Removed the following equipment that was previously installed on FAA Form 337's dated as indicated. Associated wiring was removed where required.

Item	Installation 337 Date
1. KX 155 VHF/NAV	6-8-90
2. Morrow II Blind Encoder	6-8-90
3. FT 25 Public Addess	12-30-95
4. #1 FF 40 F.M.	12-30-95
5. Garmin 150 GPS	1-4-96
6. ELT 10 only (Antenna remains the same)	1-24-96

Weight and balance amended as required.

Compass corrected as necessary.

ENT)



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

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INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

Such Violati	on (Section 30) Fed	eral Aviation Act of 19	JO).											
1. Aircra	Make B	ELL			Mo	odel	206	2-3						
		51529				_/	lity and Registration	7/2/						
2. Owner	Name (As sho	own on registration cent LEUM HELI	tificate COV	OTE	RS, INC. 20 LI	Address (As shown on registration certificate)								
				3.	For FAA Use Only									
						-								
				4.	Unit Identification		· · · · · · · · · · · · · · · · · · ·		5. Type					
Unit		Make			Model		Serial No.		Repair	Alteration				
AIRFRAME			(As de	scrib	ed in Item 1 above)	~~~	······································							
POWERPLA	NT Rolls	ne Item 8 Royce		29	See Item 8		CAE 8955 CAT 979	59 04	х					
PROPELLER		/				ļ								
APPLIANCE	Type Manufacturer				,									
		<u></u>	6.	Co	nformity Statement	L_ :								
A. Agency's	Name and Address			B.	Kind of Agency			C. Cert	ificate No.					
07440					U.S. Certificated Mec									
	IRD AERO LIMIT N DYNE ROAD	I ED		X	Foreign Certificated N Certificated Repair St			AMO 2	22-58					
		CANADA R3H 1	Δ1	 	Manufacturer Manufacturer									
D. I certify the	at the repair and/or	alteration made to the e requirements of Part	unit(s)	iden the L	tified in item 4 above an J.S. Federal Aviation Re	nd de egulai	scribed on the reve tions and that the in	rse or atta formation	achments here furnished her	eto have ein is true				
Date				Sig	nature of Authorized Inc	dividu	ıal							
	08 / July /	2002												
		7	An		y Rozmus al for Return to Serv	vice	Bonna							
Pursuant to t	he authority given pe	ersons specified below,	the u	nit ide	entified in item 4 was ins	speci	ted in the manner pr	escribed	by the Admini	strator of				
the Federal A	viation Administratio	on and is X APPROV			EJECTED									
	AA Flt. Standards spector	Manufacturer	3	lns	spection Authorization		Other (Specify)							
BY F	AA Designee	Repair Station	x	Tra	erson Approved by ansport Canada worthiness Group									
Date of APP	ROVAL July / 2002	Certificate or Designation No. AMO 22-58	I	Sig	gnature of Authorized In	ndivid	ual							
AA Form 337		AIVIO 22-30					mus							
AA FORM 33/	(1∠-88)													

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 coformity 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.)

ROLLS-ROYCE 250/C30 4TH STAGE NOZZLE ASSY P/N 23032264 S/N X59788
THE PRODUCT IDENTIFIED ABOVE HAS BEEN OVERHAULED IN ACCORDANCE WITH ROLLS-ROYCE 250/C30
OVERHAUL MANUAL 14W3 EDITION 2 REVISION 8 DATED 01 NOVEMBER 2001, AMC-OIL 19 REVISION 9
DATED 05 FEBRUARY 1999 AND THE CURRENT MAINTENANCE RULES OF THE CANADIAN AVIATION
REGULATIONS. THE PRODUCT IS APPROVED FOR RETURN TO SERVICE IN COMPLIANCE WITH CAR 571
AND FAR PART 43.17. ALL PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS
ORGANIZATION UNDER WORK ORDER L378347.

REFERENCE PO: PO0078837 T.T.S.N.: UNK T.T.S.O.: 0.0

SEAL BORE: 2.627" - 2.628"

3RD BLADE PATH: 8.078" - 8.079" 4TH BLADE PATH: 9.000" - 9.001"

FLOW AREA: 22.70

GARY ROZMUS CANADIAN APPROVED INSPECTOR FOR STANDARD AERO LTD.

AMO 22-58

-ENI

NOT INSTALLED

Addition Sheets Are Attached

	WEIGHT	ARM	MOMENT		FORM
ITME/PART NUMBER	LBS.	IN.	LBS/IN.	SUPP	337
			1000 00		~ .
SKYNAV #497 TRAFFIC	132.25	144.02	1908.30	X	X
A) TRANSCEIVER	10.95	156.00	1708.20		
B) ANTENNA	2.30	87.00	200.10		
KCS 55/55A PICTORIAL NAV SYSTEM	8.90	99.82	888.40		
A) DIRECTIONAL GYRO	4.30	153.00	657.90		
B) HORIZONTAL SITUATION INDICATOR	4.00	38.20	152,80		
C) SLAVE	0.30	39.00	11.70		
D) FLUX VALVE	0.30	220.00	66.00		
D) I LOX VALVE	0.50	220.00	00.00		
GARMIN GNS 420 SYSTEM (STC SR02232LA)	6.50	46.69	303.48	X	X
A) CONTROL DISPLAY UNIT	4.50	41.00	184.50		
B) MOUNTING FRAME	0.80	41.00	32.80		
C) GPS ANTENNA	0.40	85.25	34.10		
D) #1 VHF ANTENNA	0.80	65.10	52.08		
KY196 #2	3.70	68.65	254.00		X
A) TRANSCEIVER	3.20	41.00	134.00		
B) ANTENNA	0.50	240.00	120.00		
CP-2 OUTERLINK SAT COM SYSTEM (STC SR00120BO)	8.80	176.33	1551.70	X	х
A) OUTERLINK CP-2	6.50	185.00	1202.50		
B) OUTERLINK ANTENNA	0.30	396.00	118.80		
C) OUTERLINK ANTENNA	0.30	210.00	63.00		
D) OUTERLINK FILTER	0.70	182.00	127.40		
E) OUTERLINK CONTROL	1.00	40.00	40.00		
2) 001212111					
GARMIN GDL 69	3.90	68.02	210.19		X
A) RECEIVER	1.72	76.50	131.58		
B) RACK	0.97	76.50	74.21		
C) ANTENNA	0.40	11.00	4.40		
THE LESS THE ONE OTHER L	651	50 13	200.22		
TFM550 FM SYSTEM	6.54	58.14	380.23		
A) TRANSMITTER	5.04 0.50	38.20 32.00	192.53 16.00		
B) ANTENNA UHF FM C) ANTENNA VHF FM	0.50	32.00 181.70	90.85		
•	0.50	161.70	90.85 80.85		
D) ANTENNA LOW BAND	0.50	101.70	80.63		
KT76A TRANSPONDER	3.60	40.08	144.30		X
A) TRANSCEIVER	3.10	43.00	133.30		
B) ANTENNA (KA-60)	0.50	22.00	11.00		
, —————————————————————————————————————					
BLIND ENCODER (MODEL SS120-30)	0.60	22.00	14.30		
NORTHERN AIRBORNE ICS	2.30	44.00	74.80		
A) AUDIO CONTROL (AMS-44)	2.30	44.00	74.80		**********
B) 5 STATION (WIRING ONLY)		GHT CHA			
,					

	WEIGHT	ARM	MOMENT		FORM
ITME/PART NUMBER	LBS.	IN.	LBS/IN.	SUPP	337
AVIONICS MASTER	0.50	76.00	36.50		X
MP3 PLAYER	WEIGHT CI	HANGE NEGI	JGIBLE		
RA 4500 RADAR ALTIMETER	3.73	157.78	588.82		X
A) RA4500 RCV/XMTR	1.90	202.00	383.80		
B) RAD-40 INDICATOR	0,60	38.00	22.80		
C) AUDIO MIXING AMP	0.35	58.50	20.47		
D) AURAL WARNING GEN	0.38	58.50	22.23		
E) ANTENNA	0.25	268.30	67.07		
F) ANTENNA	0.25	289.80	72.45		
HEADSETS (1 EACH)	1.30	65.00	84.50		
REAR CABIN HEADSETS (1 EACH)	1.30	129.00	167.70	•	• • • • • • • • • • • • • • • • • • • •
REAR CABIN CURLEY CORDS (1 EACH)	0.50	129.00	64.50		
NAT CABIN PA SYSTEM	3.40	86.70	294.80		
A) NAT AA21-400 AMPLIFIER	1.40	42.00	58.80		
B) CABIN SPEAKER (REAR 2 EACH)	2.00	118.00	236.00		-
DAVTRON M450A VOLTMETER	0.25	39.00	9.75		
ELECTRIC ARTIFICIAL HORIZON	3.00	40.00	120.00		
DAVTRON M800 DIGITAL CLOCK	0.60	40.00	24.00		
INTELLISTART SYSTEM (STC SR00113BO)	7.34	134.73	983.54	X	X
A) PROCESSOR ASSEMBLY	1.10	185.00	203.50		
B) ENGINE HARNESS KIT	3.40	92.00	312.80		
C) ENGINE FUEL TRIM SOLENOID VALVE KIT	1.40	192.00	268.80		
D) ENGINE TORQUE KIT	0.68	155.00	105.40		
E) AIRCRAFT OUTSIDE AIR TEMPERATURE PROBE KIT	0.36	194.00	69.84		
F) COCKPIT FAULT LAMP ASSEMBLY KIT	0.20	43.00	8.60		
G) ADDITIONAL INSTALLATION MATERIAL	0.20	73.00	14.60		
STARTER SEQUENCE	0.50	127.00	63.56		X
A) MICRO SWITCH	0.10	73.00	7.30		
B) BRACKET	0.10	73.00	7.30		
C) CONTROL BOX	0.30	163.20	48.96		
RECONFIGURED INSTRUMENT PANEL (STC SR09594RC)	NEGLIGIBL	E WEIGHT CI	HANGE	X	X
AVIONICS/TIEDOWN, SUPPORT RACK	4.50	25.00	112.50		X
BAGGAGE DOOR & TIEDOWN WARNING	USE AC	TUAL WEI	GHT		
WHELEN A413A HAD-DF-28 STROBE LIGHT POWER SUPPLY	3.00	196.90	590.70		

·	WEIGHT	ARM	MOMENT		FORM
ITME/PART NUMBER	LBS.	IN.	LBS/IN.	SUPP	337
FACET EXTERNAL OIL FILTER	4.00	188.00	785.00		X
PARAVION HEATER (STC SH2728NM)	11.39	97.00	1105.00	_x_	X
CONCORDE LEAD ACID BATTERY (STC SR09069RC)	40.00	15.80	632.00	_x_	_X_
STEP HANDLES (STC SH1366SO)	2.00	107.13	214.26		X
FOLDING STEPS (STC SH2243SO) L/H ONLY	2.00	145.18	290.36		_X_
ALUMINUM ENTRANCE STEPS (STC SH1322SO)	USE AC	TUAL WEI	GHT		_x_
PNEUMATIC DOOR ACTUATORS (STC SH1990SO)	5.90	87.24	514.70		_X_
A) FRONT DOOR ACTUATORS (2 EACH)	2.60	42.00	190.20		_^_
B) PASSENGER DOOR ACTUATORS (2 EACH)	2.00	104.00			
			208.00		
C) BAGGAGE DOOR ACTUATOR (1 EACH)	1.30	155.00	201.50		
WINDSHIELDS (STC SH1664SO)	NEGLIGIBL	E WEIGHT C	HANGE		X
SKYLIGHTS (STC SH1664SO)	NEGLIGIBL	E WEIGHT CI	HANGE		_X_
POP-OUT WINDOWS (STC SH7608SW)	NO WE	IGHT CHA	NGE		_x_
FLOOR PROTECTORS (RHINO LINER)	7.00	44.00	308.00		
A) CREWL/H & R/H	7.00	44.00	308.00		
A) CREWEIT & IVII	7.00	44.00	308,00		
POP-OUT WINDOWS (STC SH5773SW)	NO WEI	GHT CHA	VG E		X
POP-OUT CHIN BUBBLE WINDOWS (STC SH5850SW)	NO WEI	GHT CHAI	NGE		_x_
PASSENGER DOOR RUBBER MOUNTED WEDGE WINDOW (STC SH5685SW)	NO WEI	GHT CHAI	NGE		X
PULSELITE CONTROL (STC SH3319NM)	1.00	21.00	21.00	_x_	_X
AIR DEFELCTORS (STC SR01582AT)	1.36	85.00	115.60		X
A) CREW (2 EACH)	0.68	60.00	40.80		^
· · · · · · · · · · · · · · · · · · ·					
B) PASSENGER (2 EACH)	0.68	110.00	74.80		
INSTALLED LORD TAIL ROTOR BEARING KIT (STC SR09248RC)	2.10	405.20	850.92	***************************************	_X_
APICAL FLOAT/RAFT SYSTEM (STC SR01535LA) WITH FLARES INSTALLED	USE AC	TUAL WEI	GHT	_x_	_X_
HIGH SKID GEAR SI206-2049 (206-706-064-105)	113.40	104.50	11850.00	_x_	
DUAL ROTOR BRAKE SI206-2044 (206-076-502-101)	13.90	130.60	1815.00		
CARGO HOOK PROVISIONS SI206-2012 (206-706-341-9)	3.20	97.60	311.00	_X	-

ITME/PART NUMBER	WEIGHT LBS.	ARM IN.	MOMENT LBS/IN.	SUPP	FORM 337
ARTEX 406-2 HM ELT SYSTEM PROVISIONS		TUAL WE		3011	
DUKANE PINGER	1.00	225.00	225.00		X
LIFE VEST (1 EACH)	1.50	65.00	97.50		
LIFE VEST (2 EACH)	3.00	91.00	273.00		
LIFE VEST (3 EACH)	4.50	129.00	580.50		
FIRE EXTINGUISHER ON FWD SIDE VERTICAL TUNNEL	2.40	82.00	194.40		
PASSENGER FOOT REST	2.00	38.50	77.00		
TUB RHINO LINER & LH/RH NOMEX PROTECTORS	12.30	110.00	1353.00		
A/C TIE DOWN KIT	11.00	25.00	275.00		
MAIN ROTOR TIE DOWN KIT	8.00	178.00	1424.00		
SOUND SUPPRESSORS	1.25	110.00	137.50	-	
BAGGAGE COMPARTMENT FLOOR (ROYALITE)	6.00	168.00	1008.00		
REAR VIEW MIRROR L/H	0.30	28.00	8.40		
REAR VIEW MIRROR R/H	0.30	28.00	8.40		
BAGGAGE COMPARTMENT CARGO NET	3.50	188.00	658.00		
BHT-206L-SI-2052, INCREASED GROSS WEIGHT KIT	USE AC	TUAL WEI	GHT		X

EN	
Thomas Lang	8101
MECHANIC NAME (PRINTED)	EMPLOYEE NUMBER

BELL MODEL 206LS4 (206L-3 with BHT-206-SI-2052) WEIGHT AND BALANCE



Click here to clear sheet

Step 1. Aircraft "N" Number: N233PH	Make Model	: Bell : 206L-3+		Aircraft S/N:	51529		
	and the same of th	nt installed	when weighed	<u>l:</u>			
Type of Landing Gear: High Skid Gear - Apica Name of Scales: Road Runner	at rioats			Scale S/N:	TE-1268		
Scale Calibration Date: 05/2012							
Location of Weighting: PHI INC. Lafayette La Weighed with unusable fuel, all oils serviced full and		yes			Make a note h	ere of weight & :	ırm if weighed with
Weighed with unusable fuer, all ons set freed full and	110 Danasti						te blocks (Step 3 below)
Step 2.		Scale We	<u>ight Area</u>				
			Enter	all scale readir	igs here.		
SCALE READINGS (3 EACH JACKPOINTS	1	Note: Enter	r scale correct	ions in the 2nd	column (S/C)	if required.	
A. (FS 55.16, BL -16.82) Enter the L/H Fwd (Red)	jack reading here	>	SCALE 699.0	S/C	NET 699.0		
B. (FS 55.16, BL +16.82) Enter the <u>R/H Fwd</u> (Gree	n) jack reading here	TOTAL	731,0 1430.0		731.0 1430.0		
C. (FS 204,92, BL 0) Enter the Aft (10000)	ack reading here		1413.0		1413.0	İ	
LONGITUDINAL C.C. LC HEIGHE	K.C.	TOTAL	2843.0	STATE OF THE PARTY.	2843.0]	
LONGITUDINAL C.G. AS WEIGHED		111120	v t p	169130.76		r	1
FS 55.16 in X (1430.0) LB +			l Weight (lbs)	368430.76 2843.0	. =	129.59	
EATERAD C.O. AS WEIGHED.	For Lateral C.G.: Left (-), F	agact+1				<u>u — — — — — — — — — — — — — — — — — — —</u>	_
FS +16.82 in X (731.0) LB +	FS -16.82 in X) I.B =	538.24	. =	0.19	
		1013	l Weight (lbs)	2843.0			J
D. Note: Review C.G. Chart,							
Step 3.							
When the actual C.G.(Arm) is not within the forward a block in this section. Note the weight in the "Lndg Lig Rocheck the C.G. Page and verify that you are within the	ht, Battery, Console's or	Midboom" blo	ne the C.G. (Arm icks and enter the	appropriate balla			
Menta die e.c., rage also retty that yes are similar							
	As Weighed	Weighed Arm	Current Weight	Current Arm		Desired C.G.	
Empty Weight =		129.59	2869.0	128.54]
Landing Light Ballast 0.0	DESCRIPTION	WEIGHT	LOSCI	TUDINAL	1.1.1	ERAL	1
Landing Light Ballast 0.0	Units of measure	Weight, Lbs		MOMENT, in-th	ARM, in	MOMENT, in-lb	
	Empty Weight	2843.0	129.59	368431	0.19	538	
Battery Ballast 0.0	Add unusable fuel	26.0	94.00	338	-2.50	-65	Max 28 Lbs.
	Land Light Ballast Battery Ballast	20.0	16.40	0	4.60	0	Max 22 Lbs.
Fwd Console Ballast 0.0	Fwd Console Ballast		29.80	0	1.00	0	See Note 5
	Aft Console Ballast		35.80	0	0.00	0	See Note 6 See Note 7 & 8
Aft Console Ballast 0.0	Midboom Ballast			0	0.00	0	See Note 7 & a
	Total	2869.0	128.54	368769	0.16	473	1
Midboom Ballast 0.0							
			Notes				
	maintain a standard ver install Fwd Fuse						
	usable fuel: Weight	0			ur the sume t		
	ateral arm exceeds					140	
	craft S/N 51390 and craft S/N 51001 thre						
	al weight of ballast						
	sible arms for midb						
	intenance Manual fo red from station 291						
	ight) adjustments nu						
arn	is always 0.						
				11	.0		
July 13, 2012			Thomas Lage	Jamo (Tane	- CRS HEE	R617E
Date Aircraft Weighed			Print Name		Signature	Certificate	
			-1/	Of Perso	on doing the w	eighing.	
			XOU	en 9	alur	ais	
July 13, 2012			Kevin Latiola	is	1	CRS HEE	R617E
Date Weight & Balance Checked							
Date Weight & Balance Checked			Print Name		Signature necking the m	Certificate i	Number

												or Installed	Equipment Removed					
												7/13/2012	DATE	Date		AIRCRAF		
													IN OUT	Disposition		T WEIGH		
												Actual Weight & Balance	T WEIGHT		Click nere to clear sneet	AIRCRAFT WEIGHT AND BALANCE (RUNNING TOTAL)		FORM
												Actual Weigh	GHT ARM MOMENT	UDINAL CHA	ear sneet	CE (RUNNING		三 つ
												t & Balance	OMENT			TOTAL)		
													ARM MOMENT	LATERAL CHANGE	whi	For c	You	
												2869.0	WEIGH.		white cells to the right of the date column	For correct calculaton you must complete all	You can enter data in white cells only.	
												128.54	ARM	LONGITUDINAL RESULTS	the date column	must complete all	white cells only.	
													MOMENT	RESULTS	SERIAL #	REG.#	MODEL:	MAKE:
		L										0.16	ARM MC	I ATERAL RESULTS	51529	N233PH	206L-3+	Bell
												473	MOMENT	= To				



Model: 206L-3 N233BH AC Reg No: AC SrlNo: 51529

PHI, INC **Aircraft Status Report**

AC Base: 99L-NEW IBERIA, LA

AC TT: 21,397:37 AC TO: 99,714

Mfr. Date: 11/12/1991 Last Flt Date: 03/31/2018

Regulatory/NonRegulatory Flag: ALL

D	XX71 XI.*4	D - 4 //	D. A. D	D . 4 C	Tol		ce Life		TS-IN/OH	Rem		e At	Tol +/-
Pos	Work Unit	Part #	Part Desc.	Part Serial	+/-	Usage	Date	T.C	CS-IN/OH	Units	A/C Hr.	Date	+/-
	1200H/12M-A/F				1	1200 FH	12 ME			886.40	22,284:01	05/31/18	
	150H-A/F				1	150 FH				60.00	21,457:37		
	300H-A/F				3	300 FH				177.42	21,575:01		
	600H-A/F				(600 FH				335.92	21,733:31		
	ASB 206L-89-61 IN						2 YME					07/31/18	
	MULTI-600H-ENG-OIL				(600 FH				349.90	21,747:31		
	AIRCRAFT-REG-EXPIRATION						3 YME					09/30/22	
	400H-IGW-T/R-G/BOX-OIL				4	400 FH				98.48	21,496:05		
	400H-IGW-TRANS-OIL				4	400 FH				219.05	21,616:40		
	206L-3 12M ELT						12 ME					07/31/18	
	206L-3 18M APICAL FLOAT						18 ME					07/31/18	
	206L-3 24M ALT REP SYS						24 ME					07/31/18	
	206L-3 300H/6M FACET				<u> </u>	300 FH	6 MO			262.33	21,659:56	06/02/18	
	<u>FILTER</u> 206L-3 3Y APICAL FLOAT						3 YME					07/31/18	
	206L-3 50H A/F				4	50 FH				23.47	21,421:04		
	206L-3 6M EMERGENCY						6 MO					05/28/18	
	<u>EQUIP</u> 206L-3 6M FIRE EXT						6 MO					05/27/18	
	PRJ-181226-PHI INC DECAL						36 D					01/31/19	
	AD-2018-25-17				2	21487 FH				90.00	21,487:37		
	PRJ-190319-PHID-2071 DECAL						7 D					03/26/19	
	ASB-206L-19-182				2	21497 FH	90 D			100.00	21,497:37	07/02/19	
	AD-2019-08-10				2	21497 FH				100.00	21,497:37		
	ASB-206L-19-183				2	21417 FH				20.00	21,417:37		
	ASB-206L-19-181				2	21697 FH	384 D			300.00	21,697:37	09/15/20	
	PRJ-190909-BLUE TORCH						7 D					09/16/19	
212101030-L		206-073-913-001	Blower, Assembly (01932)	9902		-		5,214.5	52				
212101030-R		206-073-913-001	Blower, Assembly (01932)	09-10-2011		-		5,214.5	52				
<u>230501010</u>	CHG-PN-TFM-550 28V TO 28V	991095-1(28V)	Transceiver, Tfm550	<u>JD2051</u>	_	<u>-OTH</u>	3648 D					07/21/18	
231201010-#1	<u>NVG</u>	064-1054-30	Transceiver, Ky196a			-							



Model: 206L-3 AC Reg No: N233BH AC SrlNo: 51529

PHI, INC Aircraft Status Report

AC Base: 99L-NEW IBERIA, LA

AC TT: 21,397:37 AC TO: 99,714 Mfr. Date: 11/12/1991 Last Flt Date: 03/31/2018

Regulatory/NonRegulatory Flag: ALL

			Danie Dana D.		Tol		e Life	T.T	TS-IN/OH	Rem	Due		Tol
Pos	Work Unit	Part #	Part Desc.	Part Serial	+/-	Usage	Date	T.C	CS-IN/OH	Units	A/C Hr.	Date	+/-
221221212 #2		064 1054 20	T 106	4000				100 27 (0	_				
231201010-#2		064-1054-30	Transceiver, Ky196a	4080		-		100,276.8					
231201020		011-01058-00	Transceiver, Gnc-420w	23220589		-		7,983.8					
<u>243201010</u>	LEAD ACID BATTERY INSPECTION	<u>RG-222</u>	(Stc) Battery, Lead Acid (01932)	40868493		600 FH-INS	12 MO	37.6	7 37.67	562.33	21,959:56	12/18/18	
243501010-#1	STARTER-GEN-INSP	23081-018	Starter Generator (00363)	1779		500 FH-INS		21,033.1	9 289.93	210.07	21,607:40		
243501010-#1	STARTER-GEN-OH	23081-018	Starter Generator (00363)	1779		1000 FH-OVH		21,033.1	9 615.35	384.65	21,782:15		
256201010		453-5001-366	Elt, C406-2hm			-							
256201020	D/S/P UNIT IN/BAT 6 YR RT	DK120	Pinger, Sonar	SC41306		-INS	6 YME					10/31/20	
<u>256201020</u>	ULB TEST AND INSP	<u>DK120</u>	Pinger, Sonar	SC41306		-INS	6 MO					04/20/18	
281001010		1743640-01	(Stcp) Filter And Housing Assy, Ext. Fuel	4603		-		578.3	2				
282201020		1C36-1	Pump, Boost	3AG33		-		105,214.5	2				
282203010-L		2C27-1	Cartridge, Fuel Pump	12AG441		-		105,214.5	2				
282203010-R		2C27-1	Cartridge, Fuel Pump	2F0028		-		105,214.5	2				
284401010		206-075-676-119	Indicator, Fuel Press Loadmeter (01932)	597		-		5,214.5	2				
291201010		206-076-034-103	Filter Assy, Hyd Pressure (01932)	3140		-		5,214.5	2				
291301020		206-076-035-103	Filter Assy, Hyd Return (See Remarks)	1749		-		5,214.5	2				
311201010		206-075-681-123	Indicator, Dual Tachometer	01797		-		5,214.5	2				
311201020		206-075-682-107	Indicator, Gas Producer, Rod (00363)	01083		-		4,343.7	3				
311401020		206-075-739-113	Indicator, Torquemeter	B377		-		102,511.9	3				
313601010		DPU-A-010-1-K	(Stcp) Processor, Intellistart	0369				101,301.1	9				
321201010		APICAL-206	Landing Gear Assembly	028		-		108,377.4	4				
321201040		647.5002	(Stcp) Reservoir Assy, 2061-L4 Li Raft	fd0018				3,924.5	6				
<u>321202010</u>	RAFT-VALVE-206-3-YR-OH	645.5902-090-216-01	(Stcp) Valve, (Life Raft)	10018		-OVH	3 YME					07/31/18	
<u>321202020</u>	CYLINDER 1104 15 YR RT	601.1104	(Stcp) Cylinder, Life Raft	<u>TS129</u>		-RTR	15 YME					03/31/19	
<u>321202020</u>	CYLINDER 1104 HYD TEST	601.1104	(Stcp) Cylinder, Life Raft	<u>TS129</u>		-INS	5 YME					07/31/19	
321202020		647.5202	(Stcp) Reservoir Assy, 2061-L4 Float	11045		-		103,683.1)				
321202010	FLOAT-VALVE-206-3-YR-OH	645.5905-135-216-08	(Stcp) Valve, (Float)	10108		-OVH	3 YME					07/31/18	
<u>321202020</u>	CYLINDER 0749 15 YR RT	600.0749	(Stcp) Cylinder, Float	<u>KN276</u>		-RTR	15 YME					03/31/19	
<u>321202020</u>	CYLINDER 0749 HYD TEST	600.0749	(Stcp) Cylinder, Float	<u>KN276</u>		-INS	5 YME					04/30/18	

3
U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subseq

	Make Bell				Model	2007	·			
1. Aircraft	Serial No.					206L-	-			
	51345				Nation	ality and Registr N363]				
	Name (As shown on reg	gistration certi	ficate)		Addres	s (As shown on		certificate)		
. Owner	Petrol	eum Helico	pters, In	c			orman Dr	•		
			-							
				F. A. I.I		Lafaye	ette, LA 7	0508		
				or FAA Use O	nly	· · · · · · · · · · · · · · · · · · ·	**** - **;			
			4. U	nit Identification	on .			Te =	·	
Unit	Make			Model				5. Type	T T	
				Model	· · · · · · · · · · · · · · · · · · ·	Serial	No.	Repair	Alteration	
IRFRAME	•••••••	innen (As	described	in Item 1 abov	8) •••••	***********	•		X	
OWERPLANT										
				· · · · · · · · · · · · · · · · · · ·						
ROPELLER										
	Туре			· · · · · · · · · · · · · · · · · · ·		<u> </u>				
PPLIANCE										
	Manufacturer						•			
			6 Cont							
Agency's Na	me and Address			ormity Statement of Agency	ent		10.0			
Petroleum	Helicopters, Inc.			S. Certificated	Mechanic			icate No.		
P.O. Box 9				Foreign Certificated Mechanic X Certificated Repair Station Accessor			1	ne, Powerplant, and		
	LA 70509						ies Limited - Radio Class 3 - CRS No. HEER617E			
D. I certify the	at the renair and/or alterati	On made to the		anufacturer				· · · · · · · · · · · · · · · · · · ·		
furnished h	at the repair and/or alterati made in accordance with nerein is true and correct	the requireme to the best of n	nts of Part ny knowled	43 of the U.S. Ige.	4 above a Federal	ind described or Aviation Regula	the reverse tions and the	or attachmen at the informa	ts hereto ition	
te			Signat	ure of Authori	zed Indiv	ridual				
30 DE	E. 1995	· · · · · · · · · · · · · · · · · · ·	Ja	ms 4	2	hours	/	EDV	ARDS	
Pursuant to th	o authority sives	7.	Approval to	or Return To S	ervice					
dministrator	ne authority given person of the Federal Aviation Ac	s specified be Iministration a	low, the unner indis	nit identified i (APPROVED	n item 4	was inspected JECTED	in the mann	er prescribed	by the	
FAA FI Inspec	It. Standards Manufactor	turer		on Authorization		Other (Specify)			
FAA D	esignee X Repair S	tation	Person Canada	Approved by Ti Airworthiness	ansport Group			-	-	
e of Approval	or Rejection Certifica Designa			re of Authoriz		dual			· · · · · · · · · · · · · · · · · · ·	
									RDS	

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.)

INSTALLED THE FOLLOWING EQUIPMENT

		and the state of t	Circuit Breaker
System	Station	Drawing Number	(amp.)
1. 1 ea. #1 FF40 FM System	29.60	PHI-11170	5 N/A
2. 1 ea. DK100 Dukane Pinger	225.0	403-206L+B	N/A
3. 1 ea. AMS 44 Interphone System	40.00 100.33	PHI-12283 PHI-206L-12314	3
 1 ea. FT25 PA System 1 ea. KT76A Transponder 	4 7 .00	PHI-11094	3

Installation made to withstand loads as per FAA advisory circular AC 43.13-2A, Chapter 1, paragraph 2.

Battery and generator are sufficient for electrical load according to AC 43.13-2A, paragraph 27d, Chapter 2.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC 43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC 43.13-1A, Chapter 11, section 7, paragraph 518.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, Chapter 2, paragraph 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC 43.13-2A, Chapter 2, paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, Chapter 1, paragraph 8.

Antenna installation located and installed similar to AC 43.13-2A, Chapter 3, paragraph 36a, b and 38b. Also followed guidelines of paragraph 42.

Compass corrected as required.

Weight and balance amended as required.

	END	

FOWARE		

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U.S. Department of Transportation	1
Federal Aviation Administration	

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revisi	on thereof) for instructions
and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil p	enalty not to exceed \$1,000
for each such violation (Section 901 Federal Aviation Act of 1958).	5.1atty 1.5t to 52.5554 \$ 1,555

: (Make	Be					Model	206L-3			
1. Aircraft	Serial No. 51345			Nationality and Registration Mark							
	Name (As s/		ว43 n on registration cer	tificat	ام		Address	N363BH (As shown on reg	<u> </u>	o relificação l	
2. Owner			Petroleum Helic		-	nc	Addiess	113 Bor		•	
L. Owner				- I	,	,					
						For EAA Use Or		Lafayette	e, LA /	0508	
					<u>J.</u>	For FAA Use Or	iiy				
									:		
		-									
					4.	Unit identification	n			5. Type	
Unit	÷s ,	М	ake			Model		Serial No).	Repair	Alteration
AIRFRAME	AE (As described in Item 1 above)								X		
POWERPLANT											
PROPELLER											
	Туре										
APPLIANCE	Manufacture	r									
				6	. Co	nformity Statem	ent				<u> </u>
A. Agency's Na					B.	Kind of Agency			C. Certif	icate No.	
	Helicopte	rs, I	Inc.		-	U.S. Certificated Foreign Certifica			Airframe,	Powerplant, as	ad
P.O. Box		-			X	Certificated Repa		IIIIC	Ì	es Limited - Ra	
	LA 70509					Manufacturer				3 - CRS No. H	
Have Deell	made in acco	ngai	r alteration made to nce with the require correct to the best o	ments	Of Pa	art 43 of the U.S	4 above a . Federal	and described on t Aviation Regulation	ne reverse ons and the	or attachmer at the i nf orm	its hereto ation
ate					Sign	nature of Author	ized Indi	vidual	The state of the s		
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						l for Return To					
Administrator	Of the redera	jiver I Av	n persons specified iation Administratio	beld v n and	, the	unit identified XAPPROVED	in item 4	was inspected in EJECTED	the mann	er prescribe	d by the
FAA F Inspe	it. Standards ctor		Manufacturer		Inspe	ection Authorizat	ion	Other (Specify)			
FAA	Designee	X	Repair Station		Perso Cana	on Approved by I	ransport Group				
ate of Approva	l or Rejection		Certificate or Designation No.		Sign	ature of Authori		· 💉			
-	-1995	-	HEER617E) .	~	und		2AL	VARDS

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.)

Removed the following equipment that was previously installed on FAA Form 337's dated as indicated. Associated wiring was removed where required.

Installation 337 Date

1	Apollo 618 C Loran	6-8-90
2	KR 87 ADF	6-8-90
3.	KN 63 DME	6-8-90
4	KR 22 Marker Beacon	6-8-90
5 .	KMA-24H Interphone System	6-8-90

Weight and balance amended.

Compass corrected as necessary.

Item

FNID

odaaw53



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

and disposit for each suc	ion of this form. This h violation (Section	report is required 901 Federal Aviat	by law ion Act	(49 U.S of 195	S.C. 1421). Fa 58).	ilure to rep	ort can result in a	civii penai	ty not to exce	9 0 0 \$ 1,000
	Make Bell					Model	206L-3			
1. Aircraft	Serial No. 5134	.5				Nationalit	y and Registration N363BH	Mark		
· · · · · · · · · · · · · · · · · · ·	Name (As shown o		tificate,)		Address (As shown on regi	stration c	ertificate)	
2. Owner	1	troleum Helic			·		113 Born	ıan Driv	<i>т</i> е	
Z. Owner							Lafayette	, LA 70	0508	
				3. Fo	r FAA Use O	nly	*			
				4. Ur	nit Identificat	on			5. Type	
Unit	Mak	ke .			Model		Serial No	•	Repair	Alteration
AIRFRAME		•••••••••••••••••••••••••••••••••••••••	As desc	ribed	in Item 1 abo	ve)				X
POWERPLANT										
PROPELLER										
	Туре								·	
APPLIANCE	Manufacturer									
			6	. Con	formity State	ment				
A. Agency's I	Name and Address			+	(ind of Agenc			C. Certi	ificate No.	,
Petroleu	m Helicopters, I	nc.					Airframe	me, Powerplant, and sories Limited - Radio Class and 3 - CRS No. HEER617E		
P.O. Box	90808			V Cartificated Repair Station						
Lafayette	e, LA 70509			Manufacturer 1, 2, an						
have be	that the repair and/or en made in accordan d herein is true and o	ce with the requir	rements	of Pa	irt 43 of the U	m 4 above a .S. Federal	and described on t Aviation Regulation	he reverse ons and th	or attachme hat the inforr	nts hereto nation
Date				Sign	nature of Auth	orized Indi	vidual		EDW	ARDS
30	DEC. 199	5		No.	mr 7	1.	Gerande			כשחי
			·	'/ 	I for Return T					
Pursuant to Administra	the authority giver or of the Federal Avi	n persons specification Administrat	ed belov	w, the	unit identifie	ed in item 4	EJECTED		nner prescrit	ed by the
	A Fit. Standards pector	Manufacturer		Inspe	ection Authori	zation	Other (Specify)			
	A Designee X	Repair Station		Cana	on Approved bada Airworthin	ess Group				
	oval or Rejection	Certificate or Designation No.		1 -	ature of Auth				EDWA	RD\$
30 No	5. 1995	HEER617	E		mor	K, 60	lwinds			
FAA Form 33	7 (12-88)			//						

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.)

Tail Boom Mounted Antenna

Installed antenna mount at station 240.0 on lower tailboom skin. Antenna mount base reinforced with 2024T3 .040 aluminum using MS20470AD-4 rivets. Reinforcing plates are protected from corrosion and do not interfere with required inspections. See PHI Drawing Number 206L-3-R1-513 and PHI-050-60019. This antenna mount is a multiple use installation to accommodate antenna systems for VHF and FM's.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances or abrasion damage and supported by insulated clamps to prevent chafing according to AC 43.13-1A and AC 43.13-2A.

Weight and balance computed.

No compass correction is necessary.

END

ED WARDS

97.4W(I)



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

	Make Be	ell		···	Model	206L-3	,		
1. Aircraft Serial No.					National	ity and Registration	n Mark		
		1345			National	N363BH			
	Name (As show	wn on registration o	ertificat	te)	Address	(As shown on reg	istration c	ertificate)	
2. Owner		Petroleum Hel	icopte	rs, Inc		113 Born	nan Driv	ve	
						Lafayette	, LA 7	0508	
				3. For FAA Use	Only				
				4. Unit Identifica	tion			5. Type	
Unit		Make		Model		Serial No).	Repair	Alteration
									<u> </u>
AIRFRAME	****		(As des	cribed in Item 1 ab	ove)	·····			X
		·			T		<u> </u>		
POWERPLANT									
200251152									
PROPELLER									
	Туре								
APPLIANCE	Manufacturer		-						
							·		
A. Agency's N	ame and Address	\$		B. Kind of Agend			C Comi	ficate No.	
				U.S. Certificat					
	n Helicopters.	, inc.		Foreign Certif			frame, Powerplant, and cessories Limited - Radio Class		
P.O. Box				X Certificated R		į.			
Lafayette,	LA 70509			Manufacturer	1, 2, and	and 3 - CRS No. HEER617E			
have beer	n made in accord	or alteration made fance with the required correct to the be	rements	nit(s) identified in ito s of Part 43 of the U knowledge.	em 4 above a .S. Federal	and described on t Aviation Regulation	ne reverse ons and th	or attachme at the inform	nts hereto nation
Date				Signature of Auth	orized Indiv	vidual			
12	'-3/	-95		111.2	27	and >	DA	1V15	
			7. A	pproval for Return	o Service				
Pursuant to Administrato	the authority giv r of the Federal A	ven persons specifi Aviation Administra	ed belo tion and	w, the unit identification is X APPROV	ed in item 4 ED Re	was inspected in	the man	ner prescrib	ed by the
	Flt. Standards ector	Manufacturer		Inspection Authori	zation	Other (Specify)			
FAA		X Repair Station		Person Approved b Canada Airworthin	éss Group		·		
Date of Approve	· _	Certificate or Designation No.		Signature of Auth				3	
12-3	1-95	HEER61		1///-	L. D	2	DA	Vis	

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.)

Installed rack manufactured from 2024T3 aluminum sheet and aluminum angles. See PHI Drawing Number 400-206. Located rack to left hand nose of aircraft picking up existing mounting points and located others as necessary to mount rack. Secured with approved fasteners. Rack provides mounting for tiedown kit, ELT, and certain radio transceivers.

Structure will withstand required loads as per AC 43.13-2A, chapter 1, paragraph 2. Fabrication is consistent and compatible with aircraft structure as per AC 43.13-2A, chapter 1, paragraph 5. Materials and fasteners are all of approved types according to AC 43.13-2A, chapter 1, paragraphs 4 and 5. Parts are protected from corrosion and do not interfere with required inspection.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily inflammable parts of the aircraft, AC 43-13-2A, chapter 2, paragraphs 21a and 27e.

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, chapter 1, paragraph 8.

Amended weight and balance as required.

END

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U.S. Department of Transportation Administration

MAJOR REPAIR AND ALTERATION

		_					
Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number	•					
For EAA Use Only							

(Airframe, Powerplant, Propeller, or Appliance) Federal Aviation INSTRUCTIONS: Print or type all entries. See Title 14 CFR 43 Sec.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. Sec. 44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. Sec. 46301(a)) Serial No. Nationality and Registration Mark N 233PH 1. Aircraft 206 2-3F
Address (As shown on registration certificate) Name (As shown on registration certificate) Address 2001 SE Evons dine Thinway 2. Owner taleyette State L/4 PHP Pnz 70508-2156 Country __ Zip 3. For FAA Use Only 5. Unit Identification 4. Type Serial No. Model Maké Repair Alteration Unit **AIRFRAME** (As described in Item 1 above) AE-895683 Rolls Royce 250 C-30P X **POWERPLANT PROPELLER** Type APPLIANCE Manufacturer 6. Conformity Statement B. Kind of Agency A. Agency's Name and Address Manufacturer U.S.Certificated Mechanic H-S Tool & Parts Inc. C. Certificate No. Foreign Certificated Mechanic #140-2560 Simpson Road Address BC Certificated Repair Station Richmond State City 39-87 V6X 2P9 Canada Certificated Maintenance Organization Zip Country 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 П 23/Nov/2012 C. Trsek App. B 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 ☐ REJECTED X APPROVED Persons Approved by Canadian FAA Fit. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization Repair Station FAA Designee Certificate or Designation No. Signature/Date of Authorized Individual-23/Nov/2012 C. Trsek 39-87

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 Accompli	lished
---------------------------------	--------

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

V 2 33 PH

Nationality and Registration Mark

Date

<u>Description:</u> Rolls Royce 250 Gearbox Cover P/N 23064606, S/N HL42989

- 1. Flame Sprayed 3 And 4 Bearing Cage Housing And Outer Flange IAW 14W3 72-60-00 Table 301.
- 2. Installed (Qty 9) Splitline Bushings IAW 14W3 72-00-00.
- 3. Locally NDT (FPI) IAW 14W3 72-00-00.
- 4. Final Inspection.

All Records of Work Performed Are On File Under Work Order 70541.

No Further Statements to Follow.

J.S.	Departme

U.S. Department of Transportation Federal Aviation Administration

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

orm Approved	Electronic Tracking Number
MB Na. 2120-0020	
1/30/2007	

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR 43 Sec.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. Sec. 44701). Failure to report can result in a civil penalty for each
such violation. (49 U.S.C. Sec. 46301(a))	

		s and disposi ion. (49 U.S.			is report is re	quire	a by I	iaw (49 U,S.	C, Sec. 44701).	railur	е то героп с	an re	esuit in a civil penalty for each	
		Nationa	lity and Re	-				_		Serial No. 51329					
1. Air	craft		<u> </u>	233 <i>PH</i>											
		Make	Ð.						Model) _	,	Seri	es 		
		Name			tration certific	ate)				Address (As	S show		ration		
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2. Ow	ner	Ì	n		·										
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3. For FAA Use Only															
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	4. Ty	/pe			<u> </u>		5. Ur	nit k	dentific	ation		_			
Rep	oair	Alteration	Unit		М	ake				Me	odel		-	Serial No.	
]		AIRFRAME ~~~~~~					~~	~	(As described in Item 1 above)				~~~~~~	
X]		POWERF	PLANT	T Rolls Royce				250 C-30P			_	CAE-815683 CAG-90183		
]		PROPELI	LER											
				Туре											
]		APPLIAN												
					Manufacturer	ianutacturer									
						6	. Cor	nfor	mity St	atement					
A. Age	ency's	Name and	Address			j			of Ager		-				
Vame		S Tool & Par					U.S.Certificated Mechanic					Manufacturer			
Address		40-2560 Sim	pson Road	j			X	_		ertificated Mechanic C. C				Certificate No.	
City Zio		hmond X 2P9	Country	State_ Canada						d Repair Station 39-87 d Maintenance Organization				39-87	
-11-					•	unit/							l le rev	verse or attachments hereto	
hav	e bee	en made in a	ccordance	with the	e requirement he best of my	ts of	Part	43 (of the U	.S. Federal Avia	ation I	Regulation:	s and	I that the information	
		ange fuel			ure/Date of A				ividual		\overline{I}				
	CFR	Part 43		-	J. Gusta	fson	l			_	L		(S)	31/Oct/2012	
										n To Service	 				
					pecified belo ninistration ar				ntified PPRO\		spect JECTE		anne	er prescribed by the	
		AA Flt. Stand spector	dards	Manufa	acturer		Mair	nten	ance O	rganization	х	Persons Departm	Appr ent o	roved by Canadian of Transport	
BY -	FA	AA Designee	,	Repair	Station		Insp	ectio	on Auth	orization	Ot	her <i>(Speci</i>	fy)		
Certific	cate o	 or_		Signati	ure/Date of A	utho	rized	Ind	vidual		_//				
Desig	nation	No. 39-8	7		J. Gustat							11 1/ 1	9 9	31/Oct/2012	
				L							VUST				

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.

		, d	N233BH	7-22-13
		0 Gearbox Housing	Nationality and Registration Mark	Date
	P/N 23064603,	S/N PC19875		-
Repaired Starter	Generator Garloo	uest IAW 14W3 72-60-0 ck Sealbore IAW 14W3	00. 72-00-00 And LDA1233-GD	S-1003.
Final Inspection. Records of Work Further Stateme	Performed Are O	n File Under Work Orde	er 70033.	
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	Samuel Control			,



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

and disposit for each suc	ion of this form. th violation (Sect	This report is require tion 901 Federal Avia	ed by lav ation Ac	w (49 U ct of 19	.S.C. 1421). Fa 58).	ilure to rep	port can result in	a civil pena	alty not to exc	eed \$1,000	
1. Alreraft	Make Be	ell				Model	206L-3				
rairwittit	Serial No.	1345				Nationali					
· · · · · · · · · · · · · · · · · · ·	Name (As show	vn on registration ce	ertificate	e)		Address (N363BH (As shown on reg		ertificate)		
2. Owner		Petroleum Heli	copte	rs, Ind	3		113 Born	man Dri	ve		
					· · · · · · · · · · · · · · · · · · ·		Lafayette	e, LA 7	0508		
		·		3. Fo	or FAA Use O	nly					
									T		
Unit		Maka		4. U	nit Identificati	on	0 : 11		5. Type		
Unit	-	Make			Model		Serial N	o. 	Repair	Alteration	
AIRFRAME	••••		(As des	cribed	in Item 1 abov	e)	······································			X	
POWERPLANT			٠.								
PROPELLER											
 	Туре						-				
APPLIANCE	Manufacturer								·		
				6. Con	formity Staten	nent					
A. Agency's N	ame and Addres	s		В. К	ind of Agency			C. Certi	ficate No.	· · · · · · · · · · · · · · · · · · ·	
Petroleum	Helicopters,	Inc.			U.S. Certificated			Airframe	, Powerplant, an	ıd	
P.O. Box	90808				Foreign Certific		Accessories Limited - Radio Class				
Lafayette,	LA 70509								and 3 - CRS No. HEER617E		
have beer	n made in accord	or alteration made t dance with the required correct to the bes	rements	s of Par	t 43 of the U.S	14 above a 6. Federal /	and described on t Aviation Regulati	he reverse ons and th	or attachmer at the inform	nts hereto ation	
Date				Signa	ature of Autho	rized Indiv	/idual				
12	? - 3/	-95	٠		Mi	1. 2)	ans	, 7 7	DAV	15	
			7. Ap	proval	for Return To	Service					
Pursuant to Administrato	the authority giver of the Federal	ven persons specifie Aviation Administrat	ed belovi ion and	w, the I is	unit identified X APPROVEI	in item 4 D □ RE	was inspected i	n the man	ner prescribe	ed by the	
	Flt. Standards ector	Manufacturer		Inspec	ction Authoriza	tion	Other (Specify)				
FAA		Repair Station		Person Canad	n Approved by da Airworthine:	Transport s Group					
Date of Approv		Certificate or Designation No.		Signa	ture of Autho	rized Indivi	idual	,	DAVIS		
12-3	1-12	HEER617	Е		1///- 2	" Z	1 and	9>			

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.)

Installed aft cabin floor cargo restraint kit. See PHI drawing #206L-523 and 206L-524.

Restraints are flame resistant and meet AC43.13-2A, Paragraph 242C and FAR 25.853 (b2).

Structural attachment and fittings are of the approved type, AC43.13-2A, Paragraph 244.

Load tested according to AC43.13-2A, Paragraph 245 and 246B.

1. 建压焊

Straps installed as per Drawing 206L-523 are placarded for $\underline{\text{"100 pounds max"}}$ per attach point.

Net installed per Drawing 206L-524 is placarded for <u>"375 pounds max"</u> when attached at all points.

END

US Department

MAJOR REPAIR AND ALTERATION

Δirframe	Powerplant,	Propeller or	Appliance ³
(All II allie,	i oweipiant,	i iopenei, oi	Appliance,

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

Electronic Tracking Number

For FAA Use Only

of Transportatio Federal Aviation		iiiidiiie, FC	TT G	ipiani, i i	ope	, III G	і, оі др	pilarice <i>j</i>			
for instru	CTIONS: Princtions and d		is fo	rm. This rep							r subsequent revision thereof) to report can result in a civil
111		y and Registration						Serial No.			_
l		36PH -				-			51345		
1. Aircraf	t Make Bel	! 1						Model	206		Series L-3
Name (As shown on registration certificate) Address (As shown on registration certificate)											
PHT Inc Address 2001 SE Evangeline Th									ngeline Thruway		
2. Owner		ility Assu	ran	ce				City Zip	Lafayet 70508	te	State <u>I_A</u> untry <u>USA</u>
Quality Assurance Zip 70508 Country USA 3. For FAA Use Only											
			-		<u> </u>		i An Osc	·	,		
4.	Гуре		-	<u> </u>	•		5. L	nlt Identifica	ation		
Repair	Alteration	Unit			Mak	e			Model		Serial No.
		AIRFRAME						(As described in Item 1 above)			
		POWERPLAN	١T								
		PROPELLER									
		APPLIANCE		Туре							
				Manufacture	er						
	<u> </u>				6. C	onfo	ormity Sta	tement			
	's Name and		/TD/	NI INC	B. I		of Agency				3 Complete Street
Name Address		ICOPTER TEX ONT DES MOU						ted Mechanic ficated Mecha	nic	C. C	Manufacturer Certificate No.
City	LAFAYET		tate	LA	X	Се	rtified Rep	air Station		CR	S B1H2300N Limited Airframe
Zip	70507	Country <u>U</u>	.S.A	•		Ce	rtified Mair	tenance Orga	inization	Lin	nited Specialized Services
have	been made in	pair and/or altera accordance wit true and correct	h the	requirements	of P	art 4	13 of the U	em 5 above an S. Federal Av	nd described riation Regula	on the re ations an	everse or attachments hereto d that the information
Extended r per 14 CFF App. B			Sigr	nature/Date o	f Au	thøri	zed Indivi	dual	<u> </u>		
- 10000		<u> </u>	-	7	Арр	rova	al for Ret	urn To Servi	ce		
		ty given persor				unit		in item 5 wa APPROVED	s inspected		anner prescribed by the
BY		Standards		Manufacture				ince Organiza			Persons Approved by Canadian Department of Transport
	FAA Des		х	Repair Station			Inenectic	n Authorizatio		Other	(Specify)
Certificate Designation	or	J		nature/Date o		thori	•		,	1	
B1H2300N			GRA	ANT MCDAN	IEL	/	AX	3/1/13			

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.

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

AUG 0 9 2013 N236PH Date

Nationality and Registration Mark

NOMENCLATURE: AFT FAIRING

ORIGINAL PART NUMBER: 206-033-310-135

SERIAL NUMBER: BP0000222

WORK ORDER NUMBER: W200946AA

OVERHAULED PANEL MENTIONED ABOVE IN ACCORDANCE WITH BELL HELICOPTER TEXTRON, INC. FAA APPROVED OVERHAUL PROCEDURE NUMBER PHI-450-OP-030, DATED 2/18/99.

-----END-----END---------

Additional Sheets are Attached

US Department of Transportation

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

orm /	\ppr	oved	
OMB	No.	2120-0020	

For FAA Use Only

Office Identification

Federal Aviation

Administration		
and dispositio		13 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000).
A:	Make Bell Helicopters	Model 206L-3
. Aircraft	Serial No. 51529	Nationality and Registration Mark N3116L

	Bell Helicopters				Model	206L-3				
1. Aircraft	Serial No. 51529	Nationality and Registration Mark N3116L								
2. Owner	Name (As shown on registration cert CIT Leasing Company			Address (As shown on registration certificate) 1211 AVE. of the Americas F121 New York, NY 10036-8701						
		3	3. For	FAA Use Only					77.467	
	· · · · · · · · · · · · · · · · · · ·		I. Uni	it Identification				5. Type		
Unit	Make			Model		Seria	l No.	Repair	Alteratio	
AIRFRAME	~~~~~~~~	scril	bed in item 1 a	bove) 🚜	~~~~~~		x			
POWERPLANT					· · · · · · · · · · · · · · · · · · ·					
PROPELLER			-							
APPLIANCE	Type Manufacturer									
	100000000000000000000000000000000000000	6. C	onfo	rmity Statement				<u> </u>	<u> </u>	
A. Agency's Na	ame and Address			ind of Agency			C. Certifica	te No.		
Petroleum Helicopters, Inc. P. O. Box 90808 Lafayette, LA 70509				U.S. Certificated of Foreign Certificated Reparameters Manufacturer	7E e , PowerPlant ssories Ltd. Class 1,2,3					
have been	t the repair and/or alteration made to t made in accordance with the requirem erein is true and correct to the best of	ents of P	art 4	3 of the U.S. Fe	bove and deral Aviat	described on the rion Regulations ar	everse or atta nd that the inf	achments hormation	nereto	
Date	-900/		Sign	ature of Authoria	ed Individ	ual				
				r Return to Servi						
Pursuant to the	authority given persons specified bel	ow, the u	nit id	entified in item 4	was inspe	ected in the manne	er prescribed	by the		

X APPROVED Administrator of the Federal Aviation Administration and is **REJECTED** Other (Specify) FAA Flt. Standards Manufacturer Inspection Authorization Inspector BY Person Approved by Transport Canadian Airworthiness Group FAA Designee Repair Station Date of Approval or Rejection Certificate or Designation No. Signature of Authorized Individual

HEER617E

FAA Form 337 (12-88)

NC	TI	^	
INC	,,,	U	

Weight and balance or operating limitation changes shall be entered in the appropriate a aft 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 alrcraft nationality and registration mark and date work completed.)

Structural Repair

Aft Lower Fairing Repair

Part Nomenclature:

Aft Lower Fairing Part Number:

206-033-310-ALL

Repair Number:

H6057-206L-091490 Part Serial Number

None

Rev. A dated 5-27-91

Cut out damaged area on Aft Lower Fairing at approximate station 155.00 and installed 17 inch repair in accordance with repair # H6057-206L-091490.

Structural repairs made according to the manufacturer's helicopters structural repair manual, except the size of some repairs exceeded the limits as specified in the manual.

Approval received for these repairs according to data approved on FAA Form 8110-3

By DER

Eugene L. Turner

Designation Number SW-566

Dated

6-04-1991

Serial Number

91-023

Weight and Balance amended.

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

Form Approved OMB No. 2120-0020	Electronic Tracking Number
11/30/2007	
	or FAA Use Only

of Transpor Federal Av Administra	riation	(Air	frame, F	Powerplant, P	rop	ell	er, or App	liance)			
instruction	ICTIONS: Print ons and dispos lation. (49 U.S.	ition of	f this form	ies. See Title 14 . This report is re	CFF equire	R §4 ed b	43.9, Part 43 by law (49 U.\$	Appendix B, ar S.C. §44701). Fa	nd AC 43.9 illure to rep	-1 (or sub ort can re	sequent revision thereof) for sult in a civil penalty for each
		-	Registratio	n Mark				Serial No.			
1. Aircraft	N363	BBH						51345			Porion
	Make Bell							Model 206			Series L-3
	Name (A	s show	n on regis	tration certificate)				Address (As s			
2. Owner	PHI,	Inc.						Address 2001 Lafaye		eline Thr	uway State LA
								zip 70508		Coun	try USA
						3. F	or FAA Use	Only		-	
4.	Туре					5. l	Jnit Identific	ation		į.	
Repair	Alteration		Unit		Mak	ke			Model		Serial No.
V		AIRF	RAME					(As describe	d in Item 1	above)	
		POW	ERPLANT								
		PRO	PELLER								
		APPL	LIANCE	Type Manufacturer							
A Agonou	's Name and A	ddrooo			6. T		nformity Sta Kind of Agen				<u> </u>
	II, Inc.	auress	i 			ъ.		ated Mechanic		Man	ufacturer
Address P.	O. Box 9080	8			_		Foreign Cert	ificated Mechanic		C. Certif	·
	fayette		10.4	State <u>LA</u>	_ [✓		Repair Station			HEER617E
D. I cer have	e been made ir	pair an	d/or altera	tion made to the the requirements to the best of my	s of F	Part	dentified in ito 43 of the U.S		described		erse or attachments hereto at the information
Extended per 14 CF App. B	range fuel R Part 43			ature/Date of Aut welly Pinn						8/6	6/07
_							al for Return				
				ons specified be ministration and i		the		ied in item 5 v	was inspec		e manner prescribed by the
	FAA Flt. Stand Inspector	dards	Mar	nufacturer		Ma	aintenance O	rganization	Depa	rtment of Ti	ed by Canadian ransport
BY	FAA Designee	9	X Rep	air Station		Ins	spection Auth	orization	Other (Sp	ecify)	
Certificate Designatio				ature/Date of Aut						8/6	107

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.

		N363BH	8/6/07
		Nationality and Registration M	Mark Date
	Structura Repair of Aft. Lo	•	
Part Nomenclature:	Shell Assy.	Part Number:	206-033-099-22
Repair Number:	PHI-206L-RP-0122	Part Serial Number	N/A
manual, except the siz	e of this repair exceeded	d the limits as specified	d in the manual.
Approval received for By DER Louis	e of this repair exceeded this repair according to Bellott Designation	d the limits as specified o data approved on a on Number	d in the manual. FAA Form 8110-3. ERT-750020-SW
Approval received for By DER Louis Dated 7-32	this repair exceeded this repair according to Bellott Designation 1-07 8110-3 Seri	d the limits as specified data approved on a	d in the manual. FAA Form 8110-3.
Manual, except the size Approval received for By DER Louis	this repair exceeded this repair according to Bellott Designation 1-07 8110-3 Seri	d the limits as specified o data approved on a on Number	d in the manual. FAA Form 8110-3. ERT-750020-SW
Approval received for By DER Louis Dated 7-32	te of this repair exceeded this repair according to Bellott Designation 8110-3 Seriemended.	d the limits as specified o data approved on a on Number	d in the manual. FAA Form 8110-3. ERT-750020-SW
Approval received for By DER Louis Dated 7-32	te of this repair exceeded this repair according to Bellott Designation 8110-3 Seriemended.	d the limits as specified o data approved on a on Number	d in the manual. FAA Form 8110-3. ERT-750020-SW
Approval received for By DER Louis Dated 7-32	te of this repair exceeded this repair according to Bellott Designation 8110-3 Seriemended.	d the limits as specified o data approved on a on Number	d in the manual. FAA Form 8110-3. ERT-750020-SW

6
US Department
of Transportation
Federal Aviation
Administration

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only
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AUG 0 8 2013

US Department				R RÉPAIR AN				_		-	11/30/20	07	For FAA Use	Only	
of Transportation Federal Aviation Administration		(Airfrai	me, F	Powerplant, Pr	LOL	pell	er, or App	liance)						
INSTRUCTI instructions such violation	and dispos	sition of this	s form.	ies. See Title 14 o . This report is req	CFI	R §	43.9, Part 43 by law (49 U.S	Append S.C. §44	dix B, a 1701). F	nd AC ailure to	43.9-1 o repo	l (or sub rt can re	bsequent re esult in a civ	vision there il penally fo	eof) for or each
100	Nationalii N236	ly and Regi	istratio	n Mark				Seria	l No. 51345						<u></u>
1. Aircraft	Make	DP II						Mode					Series	- ·	
	Bell								206			İ	L-3		
	Name (A	s shown on	regist	ration certificate)				Addre	ess (As	snown	on reg	istration	certificate)	-line There	
2. Owner	PHI,	Inc.						Addres	s <u>Qua⊪</u> Lafay		uranc	e 2001	SE Evang	jeline Thru State LA	way
								Zip		3-2156	5	Cour	ılıy USA		
	<u> </u>					3. F	or FAA Use	Only							
4. Тур	е					5. l	Jnit Identifica	ation							
Repair	Alteration	Uni	t	ľ	Mal	ke				Mode	el			Serial No.	
	V	AIRFRAM	/IE					(As	describe	ed in Ite	em 1 a	bove)			
		POWERF	LANT												
		PROPELI	LÉR												
				Туре											
	<u> </u>	APPLIAN	CE	Manufacturer											
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A. Agency's Na Name PHI, Id		daress			\dashv	B. (U. S. Certifica		hanic			Mar	nufacturer		
Address P.O.	30x 90808	3			_		Foreign Certi	ficated M	echanic			C. Certif	icate No.		
city Lafaye		1104		Slate LA	- [✓	Certificated F						HEEF	R617E	
zip <u>70509</u> -		untry USA				Ш	Certificated N								- • -
have be	en made in	accordanc	e with	ion made to the u the requirements o the best of my kr	of F	Part	43 of the U.S	m 5 ab . Federa	ove and I Aviation	descri on Regu	ibed or ulation	n the rev s and the	erse or atta at the inform	achments he	ereto
Extended rang per 14 CFR Pa App. B			Signa	Myre/Date of Author	oriz	zed l	Individual	TT.	Roa	or)	Alp	Bur	chett	· AUG O	8 2013
			<u> </u>	7. 4	App	orov	al for Return	to Serv		<u> </u>	71,00	7-04	<u> </u>		
				ns specified belo		the	e unit identifi	ed in i			specte		e manner	prescribed	by the
Inst	A Fit. Stand ector	lards	Man	ufacturer		Ма	aintenance Or	ganizati	on			s Approve ment of T	ed by Canadi ransport	an	
BY	\ Designee	х	Repa	air Station		Ins	spection Author	orization	ı	Other	(Spec	cify)			
Certificate or		L	Signa	nture)Date of Author	oriz	ed I	ndividual		_				 -		
Designation No HE	i. ER617E		<i>K</i>	oger L	h	10	, 2	1/2	#					AUG	0 8 20
FAA Form 3	37 (10-06)		, / \	U UJET A	W	שא	- <u>~ m</u>	wes	<u>/</u>						

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 Accomplis (If more space is required, attach	hed additional sheets. Identify with aircraft	t nationality and registration mark and date w	ork completed.)
		N236PH	AUG 0 8 2013
		Nationality and Registration Mark	Date
	AIR DEF	ELECTORS	
windows in accord	lance with Aeronautical ssories, Inc _e Installation Ir	Deflectors on crew and pass Accessories, Inc. STC-SR0158 Instructions Report Number A	32AT and
Actual weight and	balance complied with.		
		(AN(1))	
建筑 化值 原数			-
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	□ A dalitico e l	Sheets Are Allached	

U.S. Department

of Transportation Federal Aviation Administration

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

Form Approved	
OMB No. 2120-0020	
For FAA Use Only	
Office Identification	

			pe all entries. See FA This report is requir tion 901 Federal Avi				and AC 4 ailure to i	3.9-1 (or subseque report can result in	nt revisior a civil pen	thereof) for alty not to ex	instructions ceed \$1,000
	Make						Model				
1. Aircraft	B	ell					1	206L-3			
Anoran	Serial No					Nationality and Registration Mark					
· · · · · · · · · · · · · · · · · · ·		<u> 34:</u>						N363BH	o i i i i i i i i i i i i i i i i i i i		
	Name (As	shov	vn on registration c	ertifica	te)		Addres	s (As shown on re	gistration	certificate)	
2. Owner	2. Owner Petroleum Helicopters, Inc.						1				
			P • • • • • • • • • • • • • • • • • • •					01 SE Evangel			
								fayette, LA 70	7308-21	30	
descri persor	minass requirem	ents rject AR 4	tems)	the abo	ble	For FAA Use O					
	Dute	-6	F/A Imapacte			Unit Identificati	·			,	
11-11				T	٠.	Onit identificati	on	1		5. Type	
Unit			∕lake ————————			Model		Serial No	o.	Repair	Alteration
AIRFRAME		••••	('As des	cribe	d in Item 1 abov	(e) -	·····	•		X
OWERPLAN	NT										
PROPELLER								•			
	Туре								-		
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	Wandiactur	6 1									
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	um Hencopi ox 90808	CIS,	inc.			U.S. Certificated			Airframe	, Powerplant,	and
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Larayet	te, LA 7050	19			-	Certificated Repa	ir Station		Radio Cl		•
D. I certify have be furnish	that the repair a een made in acc ed herein is true	and/o	or alteration made to nce with the require correct to the best	the un ements of my l	it(s) i of Pa	dentified in item	4 above a Federal	and described on the Aviation Regulation		- CRS No. He or attachmen at the inform	
ate						nature of Author	ized Indi-	vidual			
6-	18-0	3						Vidual			
				7 An	orodo	for Return To		3			
Pursuant to Administra	o the authority tor of the Feder	give al Av	n persons specified	herry	the	unit identified APPROVED	in item 4	was inspected in	the mann	er prescribe	d by the
FA	A FIt. Standards spector		Manufacturer	T		ection Authorizati		Other (Specify)			
FA	A Designee	X	Repair Station		Perso Cana	on Approved by T	ransport Group				
6 - / 8	oval or Rejection		Certificate or Designation No. HEER617E			ature of Authoriz		idual			
A Form 337			L			Jan	/2	5			I

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

Installed a TI-100 Airshield Neonatal Transport System in accordance with Petroleum Helicopters, Inc. Picture and Sketch Data For The Installation of a TI-100 Airshield Neonatal Transport System in a Bell Helicopters, Inc. Model 206L-1 S/N: 51345. Document number PHI-206L-PS-0015 dated April 2, 1998.

A structural load test was performed according to Petroleum Helicopters, Inc. Static Load Test For The installation of an Airshield TI-100 Incubator in Bell Helicopter Textron, Inc. Model 206L Series Helicopters, Document Number PHI-206L-ST-0001 dated January 26, 1998.

a grant to Common that are a common or

Weight and balance amended as necessary.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

This instructions for continued airworthiness gives the data that is needed to fulfill the requirement of CFR parts 23,25,27,29,33, or 35, sections 23.1529, 25.1529,27.1529, 29.1529, 31.82, 33.4, or 35.4 as applicable.

TI-100 Airshield Neonatal Transport System

- INTRODUCTION: Installed a TI-100 Airshield Neonatal Transport System.
- 2) DESCRIPTION: Installed a TI-100 Airshield Neonatal Transport System in accordance with PHI-206L-PS-0015.
- 3) CONTROL, OPERATION INFORMATION: The frame is secured with the same hardware as the primary littered patient and requires no special instructions or training to operate, remove or install.
- 4) SERVICE INFORMATION: No servicing required.
- 5) MAINTENANCE INSTRUCTIONS: See Petroleum Helicopters, Inc. FAA approved AAIP Maintenance Program or FAA annual.
- 6) TROUBLE SHOOTING INFORMATION: N/A
- 7) REMOVAL AND REPLACEMENT INFORMATION: Opposite of installation. Ref. PHI-206L-PS-0015

Additional Sheets Are Attached

ATTACHMENT FOR FAA FORM 337 DATED 6-18-03. N363BH, S/N 51345, MODEL 206L-3

8) DIAGRAMS:

Petroleum Helicopters, Inc. Picture and Sketch Data. PHI-206L-PS-0015

9) SPECIAL INSPECTION REQUIREMENT:

None

10) APPLICATION OF PROTECTIVE TREATMENTS:

None

11) DATA:

PHI-206L-PS-0015 and PHI-206L-ST-0001

12) LIST OF SPECIAL TOOLS:

None

13) FOR COMMUTER CATEGORY AIRCRAFT:

N/A

14) RECOMMENDED OVERHAUL PERIODS:

None

15) AIRWORTHINESS LIMITATION SECTION:

N/A

16) REVISION:

A letter will be submitted to the local FSDO with a copy of the revised FAA form 337 and ICA. The FAA inspector accepts the change by signing the block 3.

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or tune all anti-les Court Dute Cou	
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INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or suland disposition of this form. This report is required by law (40.1.5.0.4.401).	paedness seriaios (neteot) for instructions
The state of the s	coult in a civil namely, masks
for each such violation (Section 901 Federal Aviation Act of 1958).	esouring civil behalfy not to exceed \$1.000
ior each such violation (Section 90) Federal Aviation Act of 1058)	
(

for each su	ch violation (Sec	tion 901 Federal Avi	ation A	Act of	1958).			a orth pon	any noncoex	Ceed \$ 1,000
1. Aircraft	Make		ell		-		Model	206L-3	-	· · · · · · · · · · · · · · · · · · ·	
	Serial No.		1345			Nationality and Registration Mark N363BH Address (As shown on registration certificate)					
	Name (As s		vn on registration co	ertifica	ite)						
2. Owner			Petroleum Heli			Inc	Addres				
z. Owner								113 Bor			
	1	-				For FAA III - O	<u> </u>	Lafayett	e, LA 7	0508	···
					<u>J.</u>	For FAA Use O	nıy				
				7	4.	Unit Identificati	on			5. Type	
Unit		٨	/lake			Model		Serial No	э.	Repair	Alteratio
AIRFRAME											
THE TOTAL	~	•••	••••••••••••••••••••••••(As des	scribe	ed in Item 1 abov	(e)	······	•		X
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POWEHPLANT	· 										
PROPELLER										 	
HOPELLER											
	Туре			-							
APPLIANCE	Manufacture										
	wianulacture	r									
				(6. Co	nformity Statem	ent				
A. Agency's Na						Kind of Agency			C. Certif	icate No.	
Petroleum		rs,	Inc.		-	U.S. Certificated			Airframe,	Powerplant, ar	nd
P.O. Box 9	90808				-	Foreign Certifica				es Limited - Ra	
Lafayette,	LA 70509)			X Certificated Repair Station Manufacturer				1, 2, and 3 - CRS No. HEER617E		
D. I certify the have been furnished it	at the repair ar made in acco nerein is true	nd/c orda and	or alteration made to nce with the require correct to the best	the un ements of my	nit(s) is of Pa	dentified in item	4 above Federal	and described on the Aviation Regulation			
ate						nature of Author	ized Ind	ividual			
4-	JJ-9	2				Millon	i L	ILB.	[_	
				7. Ap	prova	I for Return To	Service	,			
		ive I Av	n persons specified iation Administratio	belov n and	v, the	unit identified X APPROVED	in item □ R	4 was inspected in EJECTED	the mann	er prescribe	d by the
FAA F Inspec	lt. Standards tor		Manufacturer		Inspe	ection Authorizati	ion	Other (Specify)			
FAA D	esignee	x	Repair Station		Perso Cana	on Approved by T da Airworthiness	ransport Group				
ate of Approval		į	Certificate or Designation No.		Sign	ature of Authoria	zed Indiv	vidual	7		
11.77	- 9 7		HEER617E			m, H	. 1	190	le e		

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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.

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MAJOR FPAIR AND ALTERATION (Airframe, Pour rplant, Propeller, or Appliance)

7	Form Approved
$\overline{}$	OMB No. 2120-0020

For FAA Use Only

Office Identification

US Department of Transportation Federal Aviation Administration

FAA Form 337 (12-88)

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

	Make		901 Federal Aviation A felicopters				Model	206L-3			
1. Aircraft	Serial No.]	and Registration	Mark		· · · · · · · · · · · · · · · · · · ·
51529 Name (As shown on registration certificate)								N3116L			
			-	•				As shown on regis			
2. Owner	ner CIT Leasing Company, Inc.							1211 AVE. of t New York, NY			
 	<u> </u>				3. For	r FAA Use Only	<u> </u>				
-	February Landson Land										
									•		
					4. Un	it Identification				5. Type	-
Unit		М	/lake			Model		Seria	ıl No.	Repair	Alteration
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PROPELLER											
	Туре			1							
APPLIANCE	Manufacturer			1							
	Mainiase			ĺ					i		
				6. (rmity Statement					
	Name and Addre				B. Ki	ind of Agency			C. Certificat	e No.	
Petroleum P. O. Box 9	Helicopters, I 0808	Inc.				U.S. Certificated N			HEER617		
Lafayette, L				!		Foreign Certificate			Airframe & Access	sories Lt	d.
				,	X	Certificated Repai	ir Station		Radio Cl		
D I certify th	at the repair an	nd/or :	alteration made to the	a unit(s	\		hove and d	-seribad on the r	or atta		
have been	i made in accord	rdanc	e with the requirement of the period of the	nts of F	Part 43	3 of the U.S. Fed	deral Aviatio	n Regulations an	everse or alla nd that the info	cnments in	ereto
Date					Sign	ature of Authoriz	ed Individua	al		·	No.
10	2-06-	0,	/		İ			Moon			
						r Return to Servi	ice ,			· · ·	*
Pursuant to th Administrator	e authority give of the Federal /	n per Aviati	ersons specified below ion Administration and	i, the u		entified in item 4 X APPROVE		REJECTED	er prescribed b	by the	-
	Fit. Standards ector		Manufacturer		Inspe	ection Authorizat	ion	Other (Specify)			
FAA	Designee	х	Repair Station		Perso Cana	on Approved by adian Airworthine	Transport ss Group				
Date of Approva	_		Certificate or Designation No. HEER617E		Signa	ature of Authorize		4000			;

	_	ufactured by A	teronauticai	
Weight and balance amend	led.			
		END		
	. •			

U.S. GOVERNMENT PRINTING OFFICE: 1992-769-012/60157

U.S. Department of Transportation Federal Aviation Administration

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

Form Ap	proved		
OMB N	o. 2120-0	0020	
	For FAA	Use O	niy

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each push violation (Section 201 Federal Aviation Act of 1959).

ior each sur	in violation (S	ect	ion 901 Federal Avia	ition A	ct of 1958).				•			
	Make					Model						
1. Aircraft	Bel	L				206]	L-3					
I Alloran	Serial No.					Nationali	ity and Registrati	on Mark		······································		
	513						3BH					
i .	Name (As s	how	n on registration ce	rtifica	te)	Address	(As shown on reg	gistration	certificate)	* * * * * * * * * * * * * * * * * * * *		
2. Owner	Petr	ole	um Helicopters,	Inc	113 Borman Drive							
·			and realisoptors,	IIIO.				-				
	<u> </u>					Lata	yette, LA 70	800				
					3. For FAA Us	e Only						
		raí	ein complies with t subject to confo 197 FA	rmity	y inspection by	a person au		AR 43, Se				
	·				4. Unit Identifi	cation			5. Type			
Unit		M	lake		Model		Serial No	o.	Repair	Alteratio		
AIRFRAME	~	~	•••••••••••(/	As des	cribed in Item 1 a	bove)	***************************************			X		
POWERPLANT												
PROPELLER							y					
	Туре			· · · · · · · · · · · · · · · · · · ·				·				
APPLIANCE	Manufacture	ř										
					6. Conformity Sta	tement						
A. Agency's Na	me and Addre	ess			B. Kind of Age			C Corti	ficate No.			
Dotroloum	I I - 1: 4	_ 7		·		ated Mechanic	· · · · · · · · · · · · · · · · · · ·	C. Certi	iicate No.	·		
Petroleum	•	S, I	nc.			ificated Mechan	ic	Airframe,	Powerplant, an	d		
P.O. Box 9						Repair Station		Accessorie	es Limited - Rad	lio Class		
Lafayette,					Manufacture			1 2 and 3	CPS No HE	ED617E		
			or alteration made to nce with the require correct to the best o			tem 4 above ar U.S. Federal A	nd described on the viation Regulation					
Date					Signature of Au	horized Indivi	dual					
	5-97				Carl	All.						
					proval for Return				· · · · · · · · · · · · · · · · · · ·			
Pursuant to the Administrator	e authority g of the Federa	iver Av	n persons specified iation Administration	below n and	v, the unit identifi is □ APPROV	ied in item 4 i	was inspected in JECTED	the man	ner prescribe	d by the		
FAA F Inspec	lt. Standards tor		Manufacturer		Inspection Author		Other (Specify)					
FAA D	esignee	X	Repair Station		Person Approved Canada Airworthii	by Transport ness Group						
ate of Approval	or Rejection		Certificate or Designation No.		Signature of Auti	norized Individ	lual			•		

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.

. Description	of Work	Accomp	olished

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

PERFORMED A CONFORMITY INSPECTION ON THE FOLLOWING EQUIPMENT THAT WAS INSTALLED ON 337 DATED 4-22-97

System

Station

Drawing Number

AMS 44 Audio System

44.00

PHI 206L-1 12308, Rev. A

Individual systems protected by the circuit breakers:

1 ar

Installed AMS-44 Audio System in accordance with PHI-206L-1 12308, Rev. A with the exception of only one AMS-44 audio control and associated wiring. Second audio control and wiring are not installed at this time.

Installation made to withstand loads as per FAA advisory circular AC 43.13-2A, Chapter 1, paragraph 2.

Battery and generator are sufficient for electrical load according to AC 43.13-2A, paragraph 27d, Chapter 2.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC 43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC 43.13-1A, Chapter 11, section 7, paragraph 518.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, Chapter 2, paragraph 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC 43.13-2A, Chapter 2, paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, Chapter 1, paragraph 8.

Compass corrected as required.

Weight and balance amended as required.

END

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

							<u> </u>						
IN for	STRUC'	TIONS: Print ions and disp	or t ositi	ype all entries. See	e FAR	43.9, FAR 43 App	endix B, a	nd AC 43.9-1 (d	r subsequent	revision	thereof)		
		MAKE		·			MODEL						
1 4	IRCRAFT	Bell						206L3					
	IIKCAAFI	SERIAL NO.	34!	5			NATIONALITY AND REGISTRATION MARK N997PT						
		NAME (As sh	own	on registration certif	ficate)		ADDRESS	(As shown on rec	sistration certi	istration certificate)			
2. 0	WNER			Energy Co.	•		234	Loyola Ave.	Suite 500				
						4.	70112						
						3. FOR FAA USE ON	LY						
				4. UI	OI TIV	ENTIFICATION				5	TYPE		
UNIT MAKE						MODEL		SERIAL	NO	5. TYPE			
					L					REPAIR	ATION		
AIRF	RAME	•••	~~~	***************************************	(As de	scribed in item 1 ab	ove) ******	······	•••	XX			
2011													
POWERPLANT					•								
PROP	ELLER										-		
		TYPE											
APPLI	ANCE							•					
		MANUFACTURER				•							
					6.	CONFORMITY STATEM	ENT	_L					
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				rrymore St.		CERTIFICATED RE	PAIR STATIO	N		-0-10			
		Slid	ell	,La. 70458	•	MANUFACTURER							
•	ittachmen	its hereto have	: be	d/or alteration ma en made in accorda irnished herein is t	nce w	rith the requiremen	ts of Part	43 of the U.S. F	lescribed on ederal Aviati	the reve on Regul	rse or ations		
ATE	·					SIGNATURE OF A	UTHORIZED	INDIVIDUAL					
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	8 - 5	10-94			-	1001110	01						
		,					REKRICE						
Purs	uant to t Administr	he authority grator of the Fe	iven dera	persons specified l l Aviation Administ	ration	the unit identified and is X APPR	in item 4	was inspected in REJECTED	the manner	prescribe	d by		
NY -	PAA P	LT, STANDARDS CTOR		MANUFACTURER	х	INSPECTION AUTHORIZA		OTHER (Specify)					
	FAA	DESIGNEE REPAIR STATION				CANADIAN DEPARTMEN OF TRANSPORT INSPEC OF AIRCRAFT							
ATE EJECT		OVAL OR		CERTIFICATE OR DESIGNATION NO		SIGNATURE OF A	UTHORIZED	MOIVIDUAL					
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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.)

Repaired angle which forms the upper opening of baggage compartment by removing corroded section and installing splice piece and doubler in accordance with FAA approved Bell Structural Repair Manual #BHT-206-SRM-1, section 3-5-1 procedure B. end.



of Transportation Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

		o., .,o.a	000.	ion sor rederal Avi	ation /	ACI 01 1936).						
	lti	Make B	e11	. Helicopter			Model	206L-3	3			
1. 4	\ircr a ft	Serial No.		51529			National	lity and Registration	on Mark	 		
		Name (As	show	vn on registration c	ertifica	ate)	Address	(As shown on reg		no stific start		
2 6)wner			easing Corpo		•		•	- TOT 0.1			
2. (Wilei			outing outpo	- 4			1211 Avenue			s rL ZI	
		<u> </u>					-8701					
_						3. For FAA Use O	n iy					
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					··········	4. Unit Identificati	on			5. Type		
	Unit		٨	fake		Model		Serial No	D.	Repair	Alteration	
AIRF	RAME	~	••••	······································	As de	scribed in Item 1 abov	(e)	•	•		X	
POW	ERPLANT											
PROF	PELLER							1 m				
		Туре										
APPL	IANCE	14										
		Manufacture	er									
						6. Conformity Staten	rent					
A. A	gency's Na	ame and Add	ress			B. Kind of Agency			C. Certif	icate No.		
Pe	etroleum	n Helicopte	ers,	Inc.		U.S. Certificated	Mechanic		Airframe, Powerplant, and			
	O. Box		Í			Foreign Certifica		nic	i	i, Fowerplant, i		
La	afayette,	LA 7050	9			X Certificated Rep	air Station		1	3 - CRS No. F		
				or alteration made to nce with the require correct to the best		nit(s) identified in item	4 above a . Federal /	nd described on th Aviation Regulatio				
Date						Signature of Author	rized Indiv	ridual				
		22-Oct-	98			Sem	1	BX	iay			
					7. Aj	proval for Return To	Service	7	<i>J</i>			
Pur:	suant to the	he authority of the Feder	give al Av	n persons specified viation Administration	belo n and	w, the unit identified is ByAPPROVED	in item 4	was inspected in	the mann	er prescribe	d by the	
Y	FAA F Inspe	Flt. Standards ctor		Manufacturer		Inspection Authorizat	T					
		Designee	X	Repair Station		Person Approved by Canada Airworthines						
ate o	t Approval	l or Rejection		Certificate or Designation No.		Signature of Authori		//				
	22-Oc	t-98		HEER617	7	Sem	anl	15 70	a)		ļ	
AA E	orm 337 /1			TISISKOI /								

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.)

ANTENNA DOUBLER

LARSEN NMO LOW BAND INSTALLATION
Aircraft Models 206, L-1, L-3, and L-4
T.T. 6266:40
Tail Boom P/N 206-033-004-177 S/N 52037

Installed Antenna doubler on bottom inside surface of tailboom skin fuselage station 240 inches aft of datum. Doubler installed according to Petroleum Helicopters, Inc. drawing PHI-206-60067, latest revision.

Approval for this modification received on FAA Form 8110-3 in support of repair station return to service. Data approved by DER Michelle M. Corning, Designation number SW-777, dated July 2, 1996.

(2)
US Department
of Transportation
Federal Aviation
A

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

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only

	derai Aviation Iministration								•				
in	structions	IONS: Print and dispos on. (49 U.S.	ition of	this fo	orm. This report is requ	OFF	R §4 ed b	43.9, Part 43 by law (49 U.	Appendix B, S.C. §44701).	and Fail	AC 43.9- ure to repo	1 (or su ort can re	bsequent revision thereof) for esult in a civil penalty for each
			-	Registra	ation Mark				Serial No.				
۱	ircraft		N363BH						5134	5			
1. A	urcrant	Make							Model	Model			Series
		Bell							206				L-3
		Name (As	s shown	on re	gistration certificate)								certificate)
2 0	PHI, Inc.								Address 200			line Th	
2. Owner									city <u>Lafayette</u> zip 70508-2156 Coun				State LA
								or FAA Use		00-2	130	Cou	ntry OSA
												-	
	4. Tyj	ре					5. L	Jnit Identific	ition		Proceedings.		
F	Repair	Alteration		Unit	Λ.	Make Model					Model		Serial No.
		✓	AIRFF	RAME				(As described in Item 1 above)					
			POWE	ERPLA	ANT								
			PROP	ELLEI	R						<u>.</u>		
					Туре				,				
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Name		Box 90808				╴┟			ficated Mechanic				nufacturer ficate No.
City	Lafay		Z		State LA	:	1		Repair Station			0. 0011	
Zip	70509	-0808 co	untry			·		Certificated N	faintenance Org	aniza	ation		HEER617E
D.	have be	en made in	accord	lance v	eration made to the ur with the requirements o ect to the best of my kn	of È	art	43 of the U.S					verse or attachments hereto at the information
	ended ran			S	ignature/Date of Autho	riz	ed I	ndividual					
per App	14 CFR F). B	Part 43			fan Ho								3-26-07
					7. A	pp	ιον	al for Return	to Service				
					ersons specified belo Administration and is	w,	the		ed in item 5 Approved	wa	s inspecte		e manner prescribed by the
	1 1.	A Fit. Stand	dards	N	Manufacturer		Ma	intenance Or	ganization			ns Approv ment of T	ed by Canadian ransport
BY		A Designee	,	X F	Repair Station		Ins	pection Auth	orization	0	ther (Spe	cify)	
Cert	ificate or			s	ignature/Date of Autho	riz	ed l	ndividual	7				
	ignation N	lo. EER617E			James Kunt				- 245				3-26-07

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.

		N363BH	3-26-07
		Nationality and Registration	Mark Date
			,
	Major Ali	teration	
Instal	llation of Antenna mount,V	ertical Fin Tip Cap As	sembly
Part Nomenclature:	Vertical Fin	Part Number:	206-020-113-163
Drawing Number:	PHI-206-60609	Serial Number:	PHI-111800
Bell 206L series vertic	eal fin in accordance with Dra	awing # <u>PHI-206-60609</u>	<u>.</u>
Approval received for	this alteration according to d	lata approved on FAA F	orm 8110-3.
	this alteration according to dis Bellott Designation		orm 8110-3. ERT-750020-SW
By DER Loui	is Bellott Designation 08-2007 8110-3 Seri	n Number Di	
Dated Louis 3-0	is Bellott Designation 8110-3 Seri mended.	n Number Di	ERT-750020-SW
Dated Louis 3-0	is Bellott Designation 8110-3 Seri mended.	n Number Di	ERT-750020-SW
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②
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								
	<u>. </u>							

INSTRUCTIONS:	Print or type all	entries. See Title	14 CFR §43.9,	Part 43 App	endix B, and A	C 43.9-1 (or sub	sequent revision (thereof) for
instructions and o	lisposition of this fo	orm. This report is	s required by lav	v (49 U.S.C.	§44701). Failure	to report can re	sult in a civil penal	lly for each
such violation. (49	9 U.S.C. §46301(a)))						

instr	ructions	s and dispos tion. (49 U.S.	sitio	on of this	s form.	. This report is requir	red	by	law (49 U.S	3.C. §44	701). Fa	allure to repo	ort can re	esult in a civil penalty for each
		Naționalit	ty a	and Regis		n-Mark	_			Serial				
1. Airc	craft	N23€	3PH	<u>H </u>			_				51345			
li Aus	Jan	Make Bell								Mode	1 206			Series L-3
			- 5/	h-up on	mint					Address (As shown on registration				
					regisu	tration certificate)				Addres	ss (As a s Qualit	snown on reg v Assurani	gistration ce 2001	SE Evangeline Thruway
2. Ow	ner	PHI,	, Inc	C.						cily Lafayette			State LA	
							Zip 70508-2156 Count					ntry USA		
			_				3.	Fo	or FAA Use	Only				
	4. Тур	pe					5.	Ur	nit Identifica	ition				
Rep	pair	Alteration	L	Unit	:	Ma	ke	_			Model			Serial No.
		V	ΑI	IRFRAM	E					(As described in Item 1 above)				
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			PF	ROPELL	.ER									
]		AF	PPLIANO	CE	Type Manufacturer								
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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.

		N236PH	AUG 1 2 2013
		Nationality and Registration Mark	Date
APICAL EI	MERGENCY FL	OAT/LIFE RAFT INSTALL	ATION
Installation Instruction Report Supplement FMS-PHI-1, Revis	Number IIPHI-1, R sion C, dated Januar	Life Raft Kit in accordance with Sevision W, dated August 2, 2012. Ty 25, 2007 installed in flight manered in ICAPHI-1, Revision V, da	Flight Manual ual as required.
Compass corrected as required			
Actual weight and balance con	aplied with.		
		11. 12. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14	
		•	

United States (Pf Anterica

Bepartment of Transportation - Nederal Abiation Administration

Supplemental Type Certificate

Number SR01535LA

This Certificate issued to

Apical Industries, Incorporated 2608 Temple Heights Dr. Oceanside, California 92506

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified heroon meets the airworthiness requirements of Part 27* of the Tederal Sociation Regulations. *Certification basis is set forth in Type Certificate Data Sheet.

Original Product Type Certificate Number:

H2SW

Mondel .

206A, 206B, 206L, 206L-1, 206L-3, 206L-4, 407

Description of Type Design Change. Installation of Apical Industries, Inc. Emergency Float Kits in accordance with FAA approved Apical Industries, Inc. Master Document List MDPHI-1, Revision B, dated 08/28/03, or later FAA approved revision. Apical Industries, Inc. Rotorcraft Flight Manual Supplement FMS-PHI-1, Revision N/C, FAA approved on September 10, 2003 or later FAA approved revision is required as part of this modification.

Linutations and Conditions. See Continuation Sheet

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

Date of application . April 1, 2003

Date reissued:

Date of issuance: September 11, 2003

Date amended: May 16, 2005, February 2, 2007



By direction of the Administrator

Vanessa Shope

Project Manager, Cabin Safety/Mechanical & Environmental Systems Branch Los Angeles Aircraft Certification Office

(Title)

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

United States Of America

Bepartment of Transportation - Federal Abiation Administration

Supplemental Type Certificate

(Continuation Sheet)

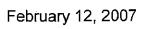
SR01535LA

Similations and Conditions: (Continued)

This installation of Apical Industries, Inc. Emergency Float Kits require prior installation of high landing gear with provision for float installation as defined in Apical Industries, Inc.'s Approved Landing Gears for Apical Emergency Float Kit, AIPHI-8, Revision A, dated August 3, 2003, or later FAA approval revision. This approval requires the inspections and overhaul schedules to be performed as mandated by Apical Industries, Inc.'s Instructions for Continued Airworthiness, ICAPHI-1, Revision N/C, dated 05/29/03, ICAPHI-2, Revision N/C, dated 01/13/2005, or ICAPHI-4, Revision N/C dated 11/30/06, or later FAA accepted revisions as applicable.

This installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. 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 this permission.

-END-





Petroleum Helicopters, Inc. PO Box 90340 Lafayette, LA 70509

Attn:

Quality Assurance

Subject:

STC Installation Authorization

This letter provides authorization for Petroleum Helicopters, Inc. to install the following Apical Industries, Inc. Supplemental Type Certificate (STC's) on the model aircraft listed.

STC	Description	Model
SR01535LA SR01779LA SR01459LA SR01298LA SR00856LA SR01855LA	Emergency Float Kits Emergency Float Kits Mid-Float with Liferafts Kit Emergency Floats Emergency Float Kits Emergency Float Kits	206A, B, L, L-1, L-3, L-4 & 407 212, 412, 412EP 412, 412EP 412, 412EP BO-105, C, S, LS, A3 EC135

Should you have any questions, please feel free to call me at (760) 724-5300.

Sincerely,

Steve Joseph

Director of Certification & Airworthiness

Enclosures

US Department of transportation Administration

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

 Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000

2. Owner Unit AIRFRAME POWERPLANT PROPELLER PPLIANCE Man Agency's Name a Petroleum He P.O. Box 9080 Lafayette, LA D. I certify that the have been made furnished hereif			3. For FAA Use O 4. Unit Identification Model bed in Item 1 abov	New Yo	shown on revenue of the ork, NY 10	he Amer 0036-870	icas Fl 21	Alterat
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D. I certify that the have been made furnished herein ate	08	 	Foreign Certificat		Accessories Limited - Radio Class			
furnished hereii ate	70509		X Certificated Repa	!	1. 2 and 3 - CRS No. Heer617E			
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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.)

INSTALLED THE FOLLOWING EQUIPMENT

	<u>Model</u>	Station	Drawing Number	Circuit Breaker (amp.)
1.	Artex ELT 110-4 Emergency Locator Transmitter	19.00	PHI-206-12235	½ Fuse

Followed guidelines of FAA Approved Petroleum Helicopters, Inc Electrical Specification & Standard Practices Manual.

Installation made to withstand loads as per FAA advisory circular AC 43.13-2A, Chapter 1, paragraph 2.

Electrical load of the revised system will not exceed 80% of the total generated output as checked by a Preflight Ground run Check made on date 4-23-97 by ALD AMI Certificate number 11940294043 As required by AC 43.13-1B, Chapter 11, section 3, paragraph's 30, 36 and 37.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC 43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC 43.13-1B, Chapter 11, section 11, paragraph 146.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, Chapter 2, paragraph 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC 43.13-2A, Chapter 2, paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, Chapter 1, paragraph 8.

Antenna installation located and installed similar to AC 43.13-2A, Chapter 3, paragraph 36a, b and 38b.

For continued airworthiness, aircraft is to be maintained in accordance with PHI Maintenance Program.

Compass corrected as required.

Weight and balance amended as required.

END

Additional Sheets Are Attached

US Department of Transportation

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

-	
	Form Approved
	OMB No. 2120-0020
	For FAA Use Only
	Office Identification

Federal Aviation Administration

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each suc	ch violation (Section	on 901 Federal Avia	ition Ac	t of 1	958).						
	Make Bell			Model 206L-3							
1. Aircraft	Serial No. 51345			Nationality and Registration M N363BH			n Mark				
2. Owner	Name (As show) Petro	Address (As shown on registration certificate)									
				3. 1	For FAA Use Only			•			
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	T		r	4.	Unit identification				5. Type		
Unit	М	ake			Model		Serial No.		Repair	Alteration	
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POWERPLANT									٠		
PROPELLER									•		
APPLIANCE	E Manufacturer										
			6	. Co	nformity Statement						
A. Agency's N	ame and Address				Kind of Agency			C. Certif	icate No.		
Air	Methods Corp	oration	,		U.S. Certificated Mecha	anic		QMQR.			
	S. Peoria S			Foreign Certificated Mechanic				R2, R3, I	LA		
Engle	ewood, CO 80	112		XX Certificated Repair Station			LI, 8	: LSS			
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have bee	n made in accorda	or alteration made t ince with the requir I correct to the best	ements	of Pa	identified in item 4 abo art 43 of the U.S. Fede rledge.	ove ar eral A	nd described on the viation Regulation	e reverse ns and th	or attachmer at the inform	nts hereto ation	
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					al for Return To Service						
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Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alternations 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 datework completed)

AIRCRAFT TOTAL TIME 5953.0 HOURS JUNE 19, 1997 N363BH BELL MODEL 206L-3 S/N 51345 **AUDIO PANEL AA95-725 AND ICS TIE BOX AA31-002**

Expanded existing Northern Airborne Audio/Intercom system by installing 1 each AA95-725 Audio Panel, and 1 each AA31-002 ICS\Loop box controller.

In the existing aircraft instrument panel, using existing Dzus rail mounting (Refer to FAA form 337 dated 4/22/97 and STC SH8859SW), mounted the AA31-002 ICS loop box at STA 39, WL 51, LBL5. Mounted aft AA95-725 in overhead control panel (Ref Air Methods Corp Medical ST1169DE-R) at STA 97, WL67, BL 0 using Dzus rail mounting contained in overhead control panel.

A farm 337 dated 6/5/97) using a single The ICS Loop Box Control invadexisting hole in the circuit breaker M22759/16-20-9 wire. panel. The aft AA95-725 is also connected to the same

ictor configurations described in Air Methods Installed wiring using M22759/16-(gamman and part of the gamman and drawings and Manufactures installation instructions.

All above work performed IAW Air Methods Drawing 113-5044, Rev -; Northern Airbome installation manual AA-90 series Audio Controllers Rev 1.5 October 1985; AA31-002 installation manual Rev A May 90; and A.C. 43.13-1A Chapter 2 section 3 para 97, 99, 100; Chapter 5 Sec 1 para 228, 230, 231, 232, 233; Chapter 6 para 247, 248, 249; Chapter 11, section 1 para 406-412, section 2 para 424-430, section 3 para 442-452, section 4 para 464-466; section 5 para 478-484, section 7 para 514-520; Chapter 13 para656-665; Chapter 15 section 1 para 747-754, section 2 para 766-770, section 3 para 783-786, section 5 para 820, 821.

The additional electrical load was calculated to be 0.5 Amp. The total connected electrical load was found not to exceed generator load limitations IAW A.C. 43.13-1A Chapter 11 section 2. (Refer to Air Methods Corp AMTD 040-0839.)

This system found not to interfere with other existing onboard equipment.

Aircraft weighed in this configuration, amended weight & balance and equipment list.

Details on file under Air Methods Avionics Work Order A3166.

END

П	Additional	Shoots	Are	Attached
ш	Additional	SHEERS	<u> Alc</u>	Attavilya

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
F	or FAA Use Only
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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

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								Ζiρ	7050	8-21	56	Cou	ntry USA	
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_ 🗆	PROPELLER													
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zip <u>70509</u>	9 <u>-0808</u> cou	intry USA	<u> </u>		. [Certificated Maintenance Organization				HEER617E			
D. I certify	that the rep	air and/o	alterat	ion made to the ur	nit(s	s) id	entified in ite	m 5 abo	ve and	des	cribed c	n the rev	verse or attachments hereto	
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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.

•		N2	36PH	08/15/2013
		L	Registration Mark	Date
	STO	CINSTALLATION		
Installed Automatic Crev Helicopter Textron, Inc. April 14, 2004; AA-8503	STC SH1990SO and	Installation Report nun	nbers AA-86010	, Revision L, date
September 21, 2000.	as assembled with			
Actual weight and baland	ce compiled with.			

6
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
F	or FAA Use Only

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		Name (As	show	n on r	egistr	ration certificate)				Addres	ss (As s	hown	on reg	gistration o	certificate) SE Evan) geline Th	ruwav
2. Own	er	PHI,	Inc.							City	Lafaye		Julunc	2001	<u> </u>	State LA	
										Zip	70508	-215	6	Count	try <u>USA</u>		
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	1	A Fit. Standards			Manufacturer		М	laintenance O	ganization			Persons Approved by Canadian Department of Transport					
BY -	FAA	A Designee		Х	Repa	air Station		lr	nspection Auth	orization		Othe	er (Spe	ecify)			
Certifica Designa	ation No	o. EER617E			•	ture/Date of Aut				P	a	mag :	1 ° 9 ′	2012			
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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.

		N233PH	7-13-2012
		Nationality and Registration Ma	
	STC INSTA	ALLATION	
nstalled Automatic Crew, Passenger Ielicopter Textron, Inc. STC SH1990 April 14, 2004; AA-85038, Revision eptember 21, 2000.	OSO and Installati	on Report numbers AA-8	6010, Revision L, dat
actual weight and balance complied	with.		
	E l	VD	

Additional Sheets Are Attached

Mnited States of America

Bepartment of Transportation - Federal Abiation Administration

Supplemental Type Certificate

Number

SH1990SO

This cortificate issued to

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

cortifies that the change in the type design for the following product with the limitations and conditions therefor as specified horson mosts the airporthiness requirements of Part 6/21.23 of the Civil Sir Federal Sociation Regulations.

Original Product - Type Certificate Number

H2SW

Make

Bell Helicopter Textron Canada Limited

Model

206A, 206B, 206L, 206L-1, 206L-3, 206L-4, 407

Tesaription of Type Design Change: Manufacture of Automatic Door Opener Kits in accordance with Aeronautical Accessories, Inc. Drawing List Report No. AA-86001, no revision, dated May 13, 1986, or later FAA approved revisions, and installation per "Installation Instructions" listed in that report.

Einitations and Conditions: The installer must determine whether this design change is compatible with previously approved modifications. 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 cortificate 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 November 8, 1985

Dals of issuance. September 3, 1986

Dale reisseed: February 1, 2011

Talo amondod: October 5, 1992, March 19, 1996, March 11, 1998

By direction of the Administrator

James A. Richmond, Acting Manager Rotorcraft Certification Office

Southwest Region.

(Title

This certificate may be transferred in accordance with FAR 21.47.

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



Aeronautical Accessories, Inc P.O. BOX 3689

BRISTOL, TENNESSEE 37625-3689 U.S.A.

TELEPHONE: 423-538-5151

800-251-7094

TELEFAX: 423-538-8469

E-MAIL: sales@aero-access.com

TO:

Petroleum Helicopters, Inc.

ATTN:

Lee Prejean

DATE:

January 31, 2007

REF:

Authorization Letter

Aeronautical Accessories, Inc. authorizes your company to install all of our "STC" products on your "fleet of aircraft".

Our "STC" products are listed in our product catalog.

Regards,

James Rumley

Marketing/Sales Mgr.

US Department

MAJOR REPAIR AND ALTERATION

(Airframe, Powerplant, Propeller, or Appliance)

orm Approved	Electronic Tracking Number
OMB No.	-
2120-0020	
11/30/2007	
	For FAA Use Only

of Transportation Federal Aviation Administration 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)) Nationality and Registration Mark Serial No. N3116L 51529 1. Aircraft Make Model Series Bell 206 Name (As shown on registration certificate) Address (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafayette State LA Country USA Zip 70508-2156 3. For FAA Use Only 5. Unit Identification 4. Type Repair Alteration Unit Make Model Serial No. **AIRFRAME** (As described in Item 1 above) X **POWERPLANT PROPELLER** Type **APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency BELL HELICOPTER TEXTRON, INC. U.S. Certificated Mechanic Name Manufacturer Address 301 W. PONT DES MOUTON ROAD Foreign Certificated Mechanic C. Certificate No. City X Certified Repair Station CRS B1H2300N Limited Airframe LAFAYETTE State Certified Maintenance Organization Zip 70507 Country U.S.A. **Limited Specialized Services** 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 Signature/Date of Authorized Individual per 14 CFR Part 43 Арр. В 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 FAA Fit. Standards Manufacturer Maintenance Organization Persons Approved by Canadian Department of Transport Inspector BY FAA Designee X Other (Specify) Repair Station Inspection Authorization Certificate or Signature/Date of Authorized Individual Designation No. B1H2300N **GRANT McDANIEL**

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 nation	ality and registration mark and date work	completed.)
	N3116L	05/09/2012
	Nationality and Registration Mark	Date
NOMENCLATURE: AUX FIN ORIGINAL PART NUMBER: 206-023-126-111 SERIAL NUMBER: BP1108 WORK ORDER NUMBER: W164932AA		
OVERHAULED PANEL MENTIONED ABOVE IN TEXTRON, INC. FAA APPROVED OVERHAUL REVISION C, DATED 11/4/08.	ACCORDANCE WITH BI PROCEDURE NUMBER	ELL HELICOPTER PHI-450-OP-020,
END	***************************************	

☐ Additional Sheets are Attached

MAJOR REPAIR AND ALTERATION

1	Airframa	Powernlant	Propeller	or Appliance)
١	Annanie	rowerpiant,	riopenei,	OI Appliance

Electronic Tracking Number Form Approved

2120-0020		
11/30/2007		
	For FAA Use Only	

of Transportation	(Ai	irframe, Po	we	rplant, Pro _l	pell	er, or Ap	pliance)			
Federal Aviation										
Administration INSTRUC		t or type all en	tries	See Title 14 C	FR 8	343.9 Part 4	3 Appendix B a	nd AC 43 9-	1 (or	subsequent revision thereof)
for instruc	tions and di	isposition of th	nis fo	rm. This repor	t is r	equired by	law (49 U.S.C. §	44701). Fai	lure	to report can result in a civil
penalty for		violation (49 U and Registration					Serial No.			
	N3	116L	man				51529			
1. Aircraft	Make Bel						Model			Series
<u> </u>	Name (As	s shown on registr	ration	certificate)			206 Address (As sho	wn on reaistrat	ion ce	L_3 ertificate)
		l, Inc.								01-SE Evangeline Thruway State
2. Owner							7:-	ette 8-2156	Cou	ntry LA
		 			3. F	or FAA Use	1000	9-2100		"" USA
					•••		,			
ļ <u>_</u> _										
4.1	уре			<u> </u>		5. C	nit Identificatio	n		
Repair	Alteration	, Unit		M	lake		Мо	del		Serial No.
		AIRFRAME		<u></u>			(As described in	Item 1 abov	/e)	
		POWERPLA	NT							
		TOWEITI LA						**		
		PROPELLER	}							
		-		Type						
		APPLIANCE		. , , ,						
				Manufacturer				**		
A Agonoul	la Nama and	Address				nformity Sta				
Name	s Name and BELL HEL	ICOPTER TEX	KTRO			nd of Agenc J.S. Certifica	ted Mechanic			Manufacturer
Address		NT DES MOU				<u> </u>	ficated Mechanic			Certificate No.
City Zip	TOSO7		tate J.S.A			Certified Rep Certified Mai	air Station itenance Organiz	ation		S B1H2300N Limited Airframe ited Specialized Services
										-
										verse or attachments hereto d that the information
furnish	ned herein is		t to th	ne best of my kn	owle	dge.				
Extended raper 14 CFR			Sig	naturé/Date of	•	J/ /	dual			
Арр. В			(2/X/	<u> </u>	12/11	<u> </u>			
				~ 7. A 	ppro	oval for Ret	urn To Service			
				pecified below, inistration and		ınit identified ⊠	l in item 5 was in APPROVED [spected in tl] REJECTE	ne m D	anner prescribed by the
BY	FAA Flt. Inspecto	Standards or		Manufacturer		Maintena	ance Organizatio	n		Persons Approved by Canadian Department of Transport
	FAA Des	signee	х	Repair Station	n	Inspection	on Authorization	С	ther	(Specify)
Certificate			Sig	nature/Date of						
Designatio B1H2300N			GR	ANT McDANIE	EL /	/4/1	15/27/11			

		N3116L	05/09/2012
	Nationa	lity and Registration Mark	Date
OMENCLATURE: AUX FIN RIGINAL PART NUMBER: 206-023- ERIAL NUMBER: ORK ORDER NUMBER: W167537A	A	RDANCE WITH B	ELL HELICOPTE
EXTRON, INC. FAA APPROVED EVISION C, DATED 11/4/08.	OVERHAUL PROC	EDURE NUMBER	R PHI-450-OP-02
	END	w w m m m m m m m m m m m m m m m m m m	

U.S. Department of Transportation

Federal Aviation Administration

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

Form Approved	
OMB No. 2120	-0020
For FA	A Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft Bell 206L-3 Serial No.	on certificate)	ahove
Serial No. 51345 Name (As shown on registration certificate) Petroleum Helicopters, Inc. Nationality and Registration Mar N363BH Address (As shown on registration 113 Borman Drive Lafayette, LA 70508 3. For FAA Use Only	on certificate)	ahove
Serial No. 51345 Name (As shown on registration certificate) Petroleum Helicopters, Inc. Nationality and Registration Mar N363BH Address (As shown on registration 113 Borman Drive Lafayette, LA 70508	on certificate)	ahove
Name (As shown on registration certificate) 2. Owner Petroleum Helicopters, Inc. 113 Borman Drive Lafayette, LA 70508 3. For FAA Use Only	oved for the	ahove
2. Owner Petroleum Helicopters, Inc. 113 Borman Drive Lafayette, LA 70508 3. For FAA Use Only	oved for the	ahove
Lafayette, LA 70508 3. For FAA Use Only	oved for the	ahove
Lafayette, LA 70508 3. For FAA Use Only	oved for the	ahove
	oved for the	ahova
The data identified herein complies with applicable sizeworthings and and in	oved for the	ahove
and is anny	S1: 40.77	
described aircraft subject to conformity inspection by a person authorized in FAR 43.	Section 43.7.	MDO VE
Date: JUN 0 4 1997 FAA Inspector: Gonald 1 fall	SW-BTR-FS	
4. Unit Identification	5. Type	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
Unit Make Model Serial No.	Repair	Alteration
		+
IRFRAME (As described in Item 1 above)		\mathbf{x}
	- 	
OWERPLANT		
		· ·
ROPELLER		
Туре		
PPLIANCE Manufacturer		
6. Conformity Statement		<u></u>
Agency's Name and Address	rtificate No.	
Petroleum Heliconters Inc U.S. Certificated Mechanic		
P.O. Box 90808 Foreign Certificated Mechanic Airfran	ne, Powerplant, an	d
Lafayette, LA 70509 X Certificated Repair Station Accessed	ries Limited - Rac	lio Class
i wandactorer 1.2 an	d 3 - CRS No. HE	ER617E
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the rever	se or attachmer	nts hereto
have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and furnished herein is true and correct to the best of my knowledge.	that the inform	ation
te Signature of Authorized Individual		
6-5-97		
7. Approval for Return To Service		
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the management of the Federal Aviation Administration and is REJECTED REJECTED	inner prescribe	d by the
FAA Fit. Standards Inspection Authorization Other (Specify)		
FAA Designee X Repair Station Person Approved by Transport Canada Airworthiness Group		
le of Approval or Rejection Certificate or Designation No.		
6-5-97 HEFR617F C 1 PM	,	

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	on of Wor	k Accom	plished

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

PERFORMED A CONFORMITY INSPECTION THE FOLLOWING EQUIPMENT THAT WAS INSTALLED ON 337 DATED 4-22-97

System

Station

Drawing Number

Avionics Master

76.00

PHI 206L 12369, Rev. A

Individual systems protected by the circuit breakers:

35

amp.

Installation made to withstand loads as per FAA advisory circular AC 43.13-2A, Chapter 1, paragraph 2.

Battery and generator are sufficient for electrical load according to AC 43.13-2A, paragraph 27d, Chapter 2.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC 43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC 43.13-1A, Chapter 11, section 7, paragraph 518.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, Chapter 2, paragraph 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC 43.13-2A, Chapter 2, paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, Chapter 1, paragraph 8.

Compass corrected as required.

Weight and balance amended as required.

1000

US Department
of Transportation
Federal Aviation
A -l

MAJOR REPAIR AND ALTERATION

Form Approved	Electronic Tracking Number
Form Approved OMB No. 2120-0020 11/30/2007	Ů
	or FAA Use Only

(Airframe, Powerplant, Propeller, or Appliance) 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)) Nationality and Registration Mark Serial No. N363BH 51345 1. Aircraft Make Model Series Bell 206 1 - 3Name (As shown on registration certificate) Address (As shown on registration certificate) Address 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafayette State LA 70508-2156 Country USA 3. For FAA Use Only 4. Type 5. Unit Identification Repair Alteration Unit Make Model Serial No. (As described in Item 1 above) **AIRFRAME POWERPLANT** PROPELLER Type APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency PHI, Inc. U. S. Certificated Mechanic Manufacturer Address P. O. Box 90808 Foreign Certificated Mechanic C. Certificate No. Lafayette State LA City Certificated Repair Station HEER617E 7050<u>9-0808</u> Country Zip 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 3-26-07 Арр. В 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 FAA Flt. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Inspector Department of Transport BY Other (Specify) **FAA Designee** Inspection Authorization Repair Station Certificate or Signature/Date of Authorized Individual Designation No. 3-26-07 HEER617E James Kuntz

			N363BH	3-26-67
			Nationality and Registrat	ion Mark Date
		Structui	ral Repair	
		Repair of Baggage	Compartment Floor	.,
Part Nomencl	ature:	Baggage Floor Ass	y. Part Number:	206-031-313-159
Repair Numb	er: _	PHI-206L-RP-011	8 Serial Number:	N/A
Work Accon	nplished: Cu	nt out damage area	from baggage floor as	required. Fabricated a
installed a (.	012) pro-bor	nd aluminum filler wi	th a (.025) pre-bond a	aluminum doubler overl
repair using n	naterials liste	ed in Repair# <u>PHI-206</u>	<u>L-RP-0118.</u>	
Structural ra	naire mada e	according to the man	ufacturer's heliconters	structural repair manu
Duuciuiai IC			as specified in the man	
	e of this rena	an exceeded the minus	as specifica in the man	
	e of this repa	an exceeded the mints	as specified in the man	
Approval reco	eived for this	s repair according to da	ata approved on FAA Fo	orm 8110-3.
Approval reco	eived for this Roland	s repair according to da M. Howard, Jr.	ata approved on FAA Fo Designation Number	orm 8110-3. DERT-710134-SW
Approval reco	eived for this Roland	s repair according to dans. Howard, Jr. 22-2007	ata approved on FAA Fo	orm 8110-3.
Approval reco	eived for this Roland	s repair according to dans. Howard, Jr. 22-2007	ata approved on FAA Fo Designation Number 8110-3 Serial Number	orm 8110-3. DERT-710134-SW
Approval reco	eived for this Roland	s repair according to dans. Howard, Jr. 22-2007	ata approved on FAA Fo Designation Number 8110-3 Serial Number	orm 8110-3. DERT-710134-SW
Approval reco	eived for this Roland	s repair according to dans. Howard, Jr. 22-2007	ata approved on FAA Fo Designation Number 8110-3 Serial Number	orm 8110-3. DERT-710134-SW
Approval reco	eived for this Roland	s repair according to dans. Howard, Jr. 22-2007	ata approved on FAA Fo Designation Number 8110-3 Serial Number	orm 8110-3. DERT-710134-SW

(3)
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
F	or FAA Use Only

(Airframe, Powerplant, Propeller, or Appliance) 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)) Serial No. Nationality and Registration Mark 51345 N363BH 1. Aircraft Model Series Make Bell L-3 206 Address (As shown on registration certificate) Name (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. State LA 2. Owner Lafayette City Country USA 70508-2156 Zìp 3. For FAA Use Only 5. Unit Identification 4. Type Serial No. Make Model Alteration Unit Repair (As described in Item 1 above) AIRFRAME **POWERPLANT PROPELLER** Туре **APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U. S. Certificated Mechanic Manufacturer PHI, Inc. Foreign Certificated Mechanic Certificate No. Address P. O. Box 90808 Lafayette State <u>L</u>A Certificated Repair Statlon City HEER617E Certificated Maintenance Organization 70509-0808 Country 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. Signature/Date of Authorized Individual Extended range fuel 04-21-2013 Patrick P. Mc Donald per 14 CFR Part 43 App. B 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 Rejected Approved Administrator of the Federal Aviation Administration and is Persons Approved by Canadian FAA Fit. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization **FAA Designee** Repair Station Signature/Date of Authorized Individual Certificate or Designation No. 04-21-2013 Patrick P. Mc Donald HEER617E

		N363BH	04-21-2013
		Nationality and Registration Ma	ark Date
	_		•
	Structure	al Repair	
В		Upper Web Assembly	•
	-	<u> </u>	
Part Nomenclature:	Web Assembly	Part Number:	206-032-309-157
Repair Number:	PHI-206L-RP-0223	Part Serial Number:	None
040 7075-T6. Fabricate 8 tapered shims using nstalled doubler, fille as required. Sealed	ed -2 , -3, -4, -5, and -6 ng .040 2024-T3 and a rs, and shims using M	non plug holes. Fabrica fillers using .032 7075-T a -9 shim using .040 20 IIL-PRF-81733 Type II s 3802 Type II sealant. n IR dated 03-13-2013.	76. Fabricated -7 and 124T-3. Located and sealant and fastener
040 7075-T6. Fabricate 8 tapered shims using the stalled doubler, fillens required. Sealed accordance with PHI-2 structural repair machanual, except the size	ed -2 , -3, -4, -5, and -6 ng .040 2024-T3 and a rs, and shims using MIL-S-8 206L-RP-0223 Revision le according to the me of this repair exceed	fillers using .032 7075-Ta -9 shim using .040 20 IIL-PRF-81733 Type II s 3802 Type II sealant. IR dated 03-13-2013. The annufacturer's helicopted the limits as specified.	T6. Fabricated -7 and D24T-3. Located and sealant and fastener All work done in the structural repairs structural repairs in the manual.
040 7075-T6. Fabricate 8 tapered shims using the stalled doubler, fillens required. Sealed accordance with PHI-2 structural repair machanual, except the size	ed -2 , -3, -4, -5, and -6 ng .040 2024-T3 and a rs, and shims using MIL-S-8 206L-RP-0223 Revision le according to the me of this repair exceed these repairs according	fillers using .032 7075-Ta -9 shim using .040 20 IIL-PRF-81733 Type II s 3802 Type II sealant. IR dated 03-13-2013. The annufacturer's helicopted the limits as specifients to data approved on	T6. Fabricated -7 and D24T-3. Located and sealant and fastener All work done in ers structural repaired in the manual. FAA Form 8110-3.
040 7075-T6. Fabricate 8 tapered shims using using the stalled doubler, filled as required. Sealed accordance with PHI-2 structural repair mach annual, except the size approval received for	ed -2 , -3, -4, -5, and -6 ng .040 2024-T3 and a rs, and shims using MIL-S-8 206L-RP-0223 Revision le according to the me of this repair exceed these repairs according	fillers using .032 7075-Ta -9 shim using .040 20 IIL-PRF-81733 Type II s 8802 Type II sealant. IR dated 03-13-2013. In anufacturer's helicopted the limits as specified to data approved on Number: _DERY-830.	16. Fabricated -7 and 124T-3. Located and sealant and fastener All work done in the manual. FAA Form 8110-3.
040 7075-T6. Fabricate 8 tapered shims using the stalled doubler, filled as required. Sealed accordance with PHI-2 structural repair mach annual, except the six Approval received for By DER: Ryan Guill	ed -2 , -3, -4, -5, and -6 ng .040 2024-T3 and a rs, and shims using M edges using MIL-S-8 206L-RP-0223 Revision le according to the m e of this repair exceed these repairs according ot Designation Serial Nu	fillers using .032 7075-Ta -9 shim using .040 20 IIL-PRF-81733 Type II s 8802 Type II sealant. IR dated 03-13-2013. In anufacturer's helicopted the limits as specified to data approved on Number: DERY-830.	T6. Fabricated -7 and D24T-3. Located and sealant and fastener All work done in ers structural repaired in the manual. FAA Form 8110-3.
040 7075-T6. Fabricate 8 tapered shims using nstalled doubler, filled as required. Sealed accordance with PHI-2 structural repair mach nanual, except the size Approval received for By DER: Ryan Guill 04-10-2013	ed -2 , -3, -4, -5, and -6 ng .040 2024-T3 and a rs, and shims using M edges using MIL-S-8 206L-RP-0223 Revision le according to the m e of this repair exceed these repairs according ot Designation Serial Nu	fillers using .032 7075-Ta -9 shim using .040 20 IIL-PRF-81733 Type II s 8802 Type II sealant. IR dated 03-13-2013. In anufacturer's helicopted the limits as specified to data approved on Number: DERY-830.	T6. Fabricated -7 and D24T-3. Located and sealant and fastener All work done in ers structural repaired in the manual. FAA Form 8110-3.
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040 7075-T6. Fabricate 8 tapered shims using nstalled doubler, filled as required. Sealed accordance with PHI-2 structural repair mach nanual, except the size Approval received for By DER: Ryan Guill 04-10-2013	ed -2 , -3, -4, -5, and -6 ng .040 2024-T3 and a rs, and shims using M edges using MIL-S-8 206L-RP-0223 Revision le according to the m e of this repair exceed these repairs according ot Designation Serial Nu	fillers using .032 7075-Ta -9 shim using .040 20 IIL-PRF-81733 Type II s 8802 Type II sealant. IR dated 03-13-2013. In anufacturer's helicopted the limits as specified to data approved on Number: DERY-830.	16. Fabricated -7 and 124T-3. Located and sealant and fastener All work done in the manual. FAA Form 8110-3.
040 7075-T6. Fabricate 8 tapered shims using nstalled doubler, filled as required. Sealed accordance with PHI-2 structural repair mach nanual, except the size Approval received for By DER: Ryan Guill 04-10-2013	ed -2 , -3, -4, -5, and -6 ng .040 2024-T3 and a rs, and shims using M edges using MIL-S-8 206L-RP-0223 Revision le according to the m e of this repair exceed these repairs according ot Designation Serial Nu	fillers using .032 7075-Ta -9 shim using .040 20 IIL-PRF-81733 Type II s 8802 Type II sealant. IR dated 03-13-2013. In anufacturer's helicopted the limits as specified to data approved on Number: DERY-830.	T6. Fabricated -7 and D24T-3. Located and sealant and fastener All work done in ers structural repaired in the manual. FAA Form 8110-3.
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Sheet 1 of 1 1. DATE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION April 10, 2013 STATEMENT OF COMPLIANCE WITH AIRWORTHINESS STANDARDS AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION 4. TYPE (Airplane, Radio, Helicopter, etc.) 5. NAME OF APPLICANT 3. MODEL NO. 2. MAKE Bell Helicopter Textron PHI, Inc. Helicopter 206L-3 Canada Limited LIST OF DATA 7. TITLE 6. IDENTIFICATION Repair Procedure for Baggage Compartment Web P/N: 206-032-309-157 (EMS Hole PHI-206L-RP-0223. Cutouts, LHS) on a Bell Model 206L-3 Helicopter, Acft S/N: 51345 Rev. IR, Dated: 03/13/13 Structural Analysis for Repair Procedure PHI-206L-RP-0223 (Baggage Compartment Web PHI-206L-SA-0112, Repair Due to Previous Alteration) Rev. IR, Dated: 04/08/13 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". The Structural aspects only of the above listed data are approved herein. 2) This form does constitute FAA approval of all the engineering data necessary for substantiation of compliance to the necessary requirements for the entire repair. 3) This approval is valid only for Bell Helicopter Textron Canada Limited Model 206L-3 serial number 51345. 4) Authorization to approve the structural aspects in support of this major repair was granted by Martin R. Crane of the Rotorcraft Certification Office (ASW-170) via email dated February 1, 2013. 8. PURPOSE OF DATA Engineering data approval (structural aspects only) in support of a major repair, not the workmanship or installation, for helicopter serial number 51345. 9. APPLICABLE REQUIREMENTS (List specific sections) 14 CFR Part 27 (Cert. Basis per TCDS H2SW, Amdt. 27-1 through 27-28): 27.301, 27.303, 27.305(a), 27.307(a) [26], 27.601(a), 27.603 [16], 27.605(a) [16], 27.609(a), and 27.613(d) [26]; all amendment levels are 0 (original version) unless otherwise noted as [*], where * is the applicable amendment level 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 N/A have been examined in accordance with established procedures and found to comply with applicable requirements of the Airworthiness Standards listed. Recommend approval of these data Approve these data Therefore 13. CLASSIFICATION(S) 11. SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S) 12, DESIGNATION NUMBER(S) DERY-830212-SW Structural Ryan Guillot

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. MAKE MODEL Bell 206L-3 AIRCRAFT SERIAL NO. NATIONALITY AND REGISTRATION MARK 51345 N997PT NAME (As shown on registration certificate) ADDRESS (As shown on registration certificate) 2. OWNER 234 Loyola Avenue, Suite 500 Taylor Energy Co. New Orleans.LA. 70112 3. FOR FAA USE ONLY 4. UNIT IDENTIFICATION 5. TYPE UNIT MAKE MODEL SERIAL NO. ALTER-REPAIR ATION AIRFRAME X **POWERPLANT** PROPELLER TYPE APPLIANCE MANUFACTURER 6. CONFORMITY STATEMENT A. AGENCY'S NAME AND ADDRESS B. KIND OF AGENCY C. CERTIFICATE NO. U.S. CERTIFICATED MECHANIC Paul W. Juge Jr. FOREIGN CERTIFICATED MECHANIC 6149 Memphis Street AP437863472 CERTIFICATED REPAIR STATION New Orleans, LA. 70124 MANUFACTURER D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge. DATE SIGNATURE OF AUTHORIZED INDIVIDUAL 7-25-90 7. APPROVAL FOR RETURN TO SERVICE Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED FAA FLT. STANDARDS OTHER (Specify) MANUFACTURER INSPECTION AUTHORIZATION INSPECTOR BY CANADIAN DEPARTMENT FAA DESIGNEE REPAIR STATION OF TRANSPORT INSPECTOR OF AIRCRAFT DATE OF APPROVAL OR CERTIFICATE OR SIGNATURE OF AUTHORIZED INDIVIDUAL REJECTION DESIGNATION NO. IA437863472 7-25-90

Bell 206L-3	N997PT 7-	-25-90				
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		END				
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tment (Airframortation

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

Form App	roved
OMB No	. 2120-0020

For FAA Use Only

Office Identification

US Department of Transportation Federal Aviation Administration

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This form is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft		on (Section 901 Federal Aviation Act of 1958). Bell Helicopters Model 206L-3							
	Serial No.				n Mark	· · · · · · · · · · · · · · · · · · ·	 		
2. Owner		ช n on registration cert .easing Company							
	418			For FAA Use Only					
aircraft sub	ject to conformi	complies with app ity inspection by FAA Inspector	a persor	authorized in	FAR 43, Se	s and is appro ction 43.7. BTR-FSDO	oved for the	above d	escribed
			4.	Unit Identification	1			5. Type	
Unit		Make		Model		Seria	al No.	Repair	Alteratio
AIRFRAME	~~~	******	, (As des	cribed in item 1	above) 🚙	~~~~~	~~~		x
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APPLIANCE	Manufacturer								
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· · · · · · · · · · · · · · · · · · ·	ame and Address Helicopters, Inc.			 Kind of Agency U.S. Certificated 	1 Mechanic		C. Certificat		
P. O. Box 90	0808	•	. -	Foreign Certifica			HEER617 Airframe		Plant
Lafayette, L	A 70509		-	X Certificated Rep	air Station		& Access Radio C		
have been	made in accordan	alteration made to the ce with the requirement orrect to the best of the central transfer in the centr	ents of Pa	dentified in item 4 rt 43 of the U.S. Fo	above and de ederal Aviation	escribed on the r	l everse or atta nd that the info	chments hormation	nereto
Date			s	ignature of Author	rized Individua	al			
10-	23-01			Mark	Laza	rd			
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Administrator of	of the Federal Avia	tion Administration a	ind is	X APPROVI		REJECTED	si prescribed k	y trie	
1 1	Flt. Standards ector	Manufacturer	In	spection Authoriza	ation	Other (Specify)			**************************************
FAA	Designee X	Repair Station		erson Approved by anadian Airworthir					
Date of Approva	-	Certificate or Designation No. HEER617E		gnature of Author					

Weight and balance or operating limitation changes shall be entered in the appropriate a laft 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.)

Followed guidelines of FAA Approved Petroleum Helicopters, Inc. Electrical Specification and Standard Practices Manual.

Installed B.F. Goodrich SKY497 Skywatch system interfaced with Garmin GPS 400 system for Traffic display, accordance with PHI Drawing No. PHI-206L-12763 Option 2 Rev. IR. and PHI Picture and Sketch Book PHI-206L3-PS-0036 Rev. D.

Installation checkout, ground and flight tests are to be performed in accordance with SKYWATCH Installation Manual No. 009-10800-001 Rev. B and Garmin 400 series Pilot's Guide Addendum Part No. 190-00140-01 Rev. B and to verify electromagnetic compatibility (EMC/EMI) with previously installed equipment. EMC testing will be conducted in accordance with Skywatch Installation Manual No. 009-10800-001, Rev. B or later revision.

An approved Rotorcraft Flight Manual Supplement No. PHI-959-206L3SKY497-002 Rev. 0. or later revision is required for installation and must be carried on dated <u>act 0 3 2001</u> board when operating SKY497 SKYWATCH SYSTEM interfaced with Garmin GPS 400 system.

SKY497 SKYWATCH Pilot's Guide Part No. 009-10801-001 Copyright 1997 or later revision, and Garmin Pilot's Guide Addendum Must be on board for operating SKY497 SKYWATCH SYSTEM.

Installation made to withstand loads as per FAA Advisory Circular AC43.13-2A, Chapter 1, paragraph 2.

Electrical load of the revised system does not exceed 80% of total generated output as required by AC43.13-1B, Chapter 11, section 3 paragraph 11-30, 11-36, and section 4, paragraph 11-53.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage as per AC43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC43.13-1B, Chapter 11, section 11, paragraph 11-146.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC43.13-2A, Chapter 2, paragraph 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC43.13-2A, Chapter 2 paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC43.12-2A, Chapter 1, paragraph 8.

Weight and balance amended.

Compass corrected.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

This instruction for continued airworthiness gives the data that is needed to fulfill the requirements of CFR parts 23, 25, 27, 29, 33, or 35, sections 23.1529, 25.1529, 27.1529, 29.1529, 31.82, 33.4, or 35.4 as applicable.

ITEM NAME: B. F. Goodrich SKY497 Traffic Advisory System Installation

1) INTRODUCTION:

Installation of a B.F. Goodrich SKYWATCH Traffic Advisory System, Model SKY497, interfaced to a Garmin GPS 400 system. Installed in a Bell Helicopter Model 206L-3

2) DESCRIPTION:

The B. F. Goodrich SKY497 Traffic Advisory System consists of a receiver, including it's mounting rack, display, an antenna, associated wiring, and any related hardware. The primary function of the system is to advise the flight crew where to look for aircraft that may pose a collision threat. SK497 alerts the flight crew to nearby Transponder equipped aircraft and assist the pilot in the visual acquisition of aircraft that may represent a danger.

3) CONTROL, OPERATION INFORMATION:

Reference the B. F. Goodrich SKY497 Pilot's Guide , Garmin Pilot's Guide Addendum and PHI Approval Aircraft Flight Manual Supplement, dated 1087 0 3 2001 .

4) SERVICING INFORMATION:

The B. F. Goodrich SKY497 system is on condition and their is no periodic, preventive, or scheduled maintenance required for continued operation for this system.

5) MAINTENANCE INSTRUCTIONS:

The scheduled Maintenance program as follow:

- a) SKY497 Display. (Garmin GPS 400)
 - 1. Check that GPS connector is properly secured at back of mounting rack
 - 2. Check to ensure GPS unit is properly installed and secured at the instrument console.

CAUTION

Do not use cleaning solvents on the viewing face.

- 3. Check face-plate for cleanliness. Wipe the viewing face using an eyeglass lens cleaner which is specified as safe for anti-reflective coating and a clean, lint-free cloth.
- b) TRC:
 - 1. Check that connectors are properly mated and secured.
 - 2. Check to ensure that the hold-down knobs on the mounting tray are secured to the TRC.
- c) Antenna:
 - 1. Check for dents, cracks, and punctures.

CAUTION

Do not paint the Antenna.

Do not use cleaning solvents on the antenna.

- 2. Remove all dirt and grease from surface areas. Clean with a soft cloth moistened with mild soap and water.
- 3. Visually inspect sealant around the antenna base. Reapply sealant if required.

6) TROUBLE SHOOTING INFORMATION:

Reference the B. F. Goodrich SKY497 Installation Manual No. 009-10800-001 (Rev. B) Chapter 4, and PHI Wiring Diagram No. PHI-206L-12763 Option 2 (Rev. IR).

7) REMOVAL AND REPLACEMENT INFORMATION:

Reference the B. F. Goodrich SKY497 Installation Manual (Manual No. 009-10800-001, Rev. B, dated Sept. 28, 1998, or later), and the FAA approved SKY497 Flight Manual Supplement dated

OCT 0 3 209 . Should it become necessary to remove the SKY497, secured the associated cables and wiring, collar the applicable circuit breakers, placard the aircraft that the unit has been removed, revised the weight & balance and the equipment list and make a logbook entry the unit has been removed, Refer to 91.213 of Title 14 of the Code of Federal Regulations and/or the aircraft's MEL for deferment procedures.

8) DIAGRAMS:

SKY497 Installation Manual No. 009-10800-001 (Rev. B) Chapter 4, PHI Picture and Sketch Book No. PHI-206L-PS-0036 Rev. C and PHI Wiring Diagram No. PHI-206L-12763 Option 2 Rev. IR.

9) SPECIAL INSPECTION REQUIREMENTS:

Special inspection requirements are not applicable.

10) APPLICATION OF PROTECTIVE TREATMENTS:

Application of protective treatments are not applicable.

11) DATA:

Installation requirements may be found within the accepted industry practices contained within AC43.13-1B Chapter 11, and AC43.13-2A, Chapters3 and 11.

12) LIST OF SPECIAL TOOLS:

Special tools are not required.

13) FOR COMMUTER CATEGORY AIRCRAFT:

Not applicable, this aircraft is not a commuter category aircraft.

14) RECOMMENDED OVERHAUL PERIODS:

There are no additional overhaul time limitations.

15) AIRWORTHINESS LIMITATION SECTION:

There are no additional airworthiness limitations.

16) REVISION:

A letter will be submitted to the local FSDO with a copy of the revised FAA form 337 and revised ICA. The FAA inspector accepts the change by signing block 3.



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each suc	n violation (Sectio	n 901 Federal Avia	ation Ad	ct of 1	958).					
1. Aircraft	Make Bel	l				Model	206L-3			
i. Alltiall	Serial No. 51345					Nationality and Registration Mark N363BH				
	Name (As shown	on registration ce	rtificat	e)		Address	s (As shown on reg	istration c	ertificate)	
2. Owner	P	etroleum Helio	copte	rs, Ir	nc ·		113 Born			
	<u> </u>					<u> </u>	Lafayette	, LA /	J508	
				3. 1	For FAA Use O	nly				
				4. L	Jnit Identificati	on		<u>"" </u>	5. Type	
Unit	Ma	ike			Model		Serial No		Repair	Alteration
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PROPELLER										
APPLIANCE	Type Manufacturer									
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	n Helicopters, I	nc.		-	U.S. Certificated		·····	Airframe,	Powerplant, a	nd
P.O. Box				Y	Foreign Certificated Rep			Accessori	es Limited - Ra	ıdio Class
Lafayette,	LA 70509				Manufacturer			1, 2, and	3 - CRS No. H	EER617E
nave beer	nat the repair and/or n made in accordan herein is true and	ice with the requir	ements	ot Pa	irt 43 of the U.S	4 above 6. Federal	and described on the Aviation Regulation	ne reverse ons and the	or attachme at the inform	nts hereto nation
Date	-31-	95		Sign	nature of Autho	rized Ind	ividual	DA	VIS	
			7. Ap	prova	l for Return To	Service				
Pursuant to 1	the authority given r of the Federal Avi	persons specified ation Administration	d belov on and	v, the is	unit identified X APPROVED	in item D □ R	4 was inspected in EJECTED	the manr	ner prescrib	ed by the
BY FAA	FIt. Standards ector	Manufacturer		Inspe	ection Authoriza	tion	Other (Specify)			
FAA	Designee X	Repair Station		Perso Cana	on Approved by ida Airworthines	Transports Group	t			
Date of Approva	al or Rejection	Certificate or Designation No.		Sign	ature of Author	ized Indi	vidual			
12-3	1-95	HEER617E	3	0	W. L. J	Da	My Y	DAV	15	l

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.

3.	Description of Work Accomplished	entify with aircraft nationality and registration mark and date work	completed.)
	(If more space is required, attach additional sheets, idea	shiriy with an oran manager,	

Installed Paravion Technology, Inc. bleed air cabin heater according to STC SH 2728NM.

END



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

Form /	Appr	oved	
OMB	No.	2120	-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each su	ch violation (Sec	tion 901 Federal Avia	ation Ac	et of 1958).					
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	515	29	N3116L						
		wn on registration ce	ertificate			(As shown on reg	istration c	ertificate)	
2. Owner	Floor Cre	dit Corporati	070		111 W	estminster S	Street		
Z. Owner	Treet Cre	die Corporaci	.011		Provi	dence, RI (2903		
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Lafayett	e, LA 7050)9		X Certificated Re	pair Station		3	CLASS 1 D. HEER6	, 2, & 3
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have bee	en made in accord	dance with the required correct to the best	rements	of Part 43 of the U.	S. Federal	Aviation Regulation	ons and th	at the inform	nation
Date				Signature of Author	orized Indi	vidual			
19	DEC, 19	91		James	K	floure	/	EDWAI	rds
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1 1.	A Fit. Standards bector	Manufacturer		Inspection Authoriza	ation	Other (Specify)			
FA	A Designee	X Repair Station		Person Approved by Canada Airworthine	Transport ss Group				
Date of Appro	val or Rejection	Certificate or Designation No.		Signature of Autho		-/0		EDWA	Rna
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MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

rm Approved	Electronic Tracking Number
MB No. 2120-0020	
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/2007 For FAA Use Only

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-					_	al for Return	to Service						
Pursuant lo Administrator	the author of the Fed	ority given deral Aviatio	perso on Adr	ns specified below, ministration and is	the	e unit identif	ied in item 5 i	was inspect	ted ed	in the	manner	prescribed b	y the
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SIAIEMENI		EDERAL AVIATION REGULATION	NS JULY 28, 2003							
MAKE	AIRCRAFT OR AIRC	RAFT COMPONENT IDENTIFICATION TYPE (sipplane, radio, nellcopter, etc.)	NAME OF APPLICANT							
	MODEL NO.	** .	PETROLEUM HELICOPTERS,							
BELL	206L	HELICOPTER	INC.							
		LIST OF DATA								
IDENTIFICATION		TITLE								
DOC. NO. PHI-2061-RP-0077 REPAIR PROCEDURE FOR BULKHEAD FRAME STIFFENERS										
REV. I/R	P/N: 206-033-107-055 (L/H) AN	D/OR 200-033-107-058 (R/H)								
DATED 06-17-2003	MODEL 206L	PETROLEUM HELICOPTERS, IN	ır.							
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APPLICABLE REQUIREMENTS (IM FAR 27: 27.301, 27.3										
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		nistrator and in accordance with condition	ns and limitations of appointment							
under Part 183 of the Fede	ral Aviation Regulations, data listed abo	ve and on attached sheets numbered as	applicable have been examined in							
accordance with establish	ed procedures and found to comply with	applicable requirements of the Federal A	Aviation Regulations.							
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At a constant	☐ Recommend a	pproval of these data	•							
1 (VMZ) therefore:	6 -1	•								
Olohia Trong order area.	Approve these	e data Designation Number(s)	CLASSIFICATION(S)							
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U.S. Department of Transportation

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

Form Appr	oved
OMB No.	2120-0020

For FAA Use Only

Office Identification

Federal Aviation Administration

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

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		Make				Model 7 - (1 2							
1. A	ircraft	De	2//			Nationality and Registration Mark							
		Serial No.	620										
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		Name (As she	own on registration cert	tificate	Address (As shown on registration certificate)								
2. O	wner				2001 SE Evangelina					e way			
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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.)

Description: Rolls Royce C30 Exhaust Collector P/N 23032325, S/N 42275

- 1. Weld Repaired Cracks IAW 14W3 72-50-00 Page 331 & PRPL 2-D008 Item A.
- 2. Installed 8 Patches IAW 14W3 72-50-00 Page 331 & PRPL 2-D008 Item C.
- Weld Repaired 2 Struts IAW 14W3 72-50-00 Page 331 & PRPL 2-D008 Item G.
- 4. Cold Worked Dents & Blended Chaffing Marks IAW 14W3 72-50-00 Page 331.
- 5. Weld Repaired Bearing Bore IAW RSS 2402.
- 6. Weld Repaired Pilot Dia. "L" IAW 14W3 72-00-00 Pg. 402 Para. 1K & PRPL 2-D008 Item A.
- 7. Plasma Sprayed Mounting Feet Surface "A" IAW 14W3 72-50-00 Page 332 Item 9 & PRPL 2-D008 Item D(1) & PRPL 1-3 Item 18.
- 8. Final Machined Pilot Dia "L" IAW 14W3 72-50-00 Pg. 332 Item 10.
- 9. Final Machined Mounting Feet Surface "A" IAW 14W3 72-50-00 Page 332 Item 9.
- 10. Plasma Sprayed Rear Pilot Dia. IAW 14W3 72-50-00 Page 333 Item 17 & PRPL 1-3 Item 18.
- 11. Plasma Sprayed Rear Flange Surface "AN" IAW 14W3 72-50-00 Page 333 Item 15 & PRPL 1-3 Item 18.
- 12. Final Machined Rear Pilot Dia. IAW 14W3 72-50-00 Page 333 Item 17.
- 13. Final Machined Rear Flange Surface "AN" IAW 14W3 72-50-00 Page 333 Item 15.
- 14. Final Ground Bearing Bore IAW RSS 2402.
- 15. NDT (FPI) IAW 14W3 72-00-00 Page 310 Item 2B.
- 16. Final Inspection.

Repair Salvage Scheme (RSS) 2402 Is OEM Approved Data.

All Records of Work Performed Are On File Under Work Order 43729. No Further Statements to Follow.

Additional Sheets Are Attached	
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MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

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1. Aircraft	Make Bel	L			Model	206L-	3	•		
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2. Owner	LE+KOLE	um Helic	ofte	RS, INC.	200	1 EU Mage	inse 1	InRun	1A 4	
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3. For FAA Use Only										
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D. I certify	that the repair and/o	or alteration made to	the un	it(s) identified in ite	n 4 above	and described on	the reverse	orattachme	nts hereto	
	en made in accorda ed herein is true and				S. Federa	I Aviation Regula	tions and th	at the inform	ation	
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Date				Signature of Auth	Jiized iiid	IIVIGUA	()	N I	(H-5)	
	July 12, 200	2			J. Gust	tafson	42			
			7. Ap	proval for Return To			7	20		
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Administra	tor of the Federal A	iation Administrati	on and	is XX APPROVE	D CF	REJECTED				
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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.)

Description:

Rolls Royce 250 C30 Exhaust Collector

S/N 42277 P/N 23032325,

Weld Repaired Cracks IAW 14W3 72-50-00 Pg. 331 & DOIL 33 Item A.

- Installed 5 (Five) Patches IAW 14W3 72-50-00 Pg. 331 & DOIL 33 Item C.
- Weld Repaired Struts IAW 14W3 72-50-00 Pg. 331 & DOIL 33 Item G.
- Coldworked Dents & Blended Chaffing Marks IAW 14W3 72-50-00 Pg. 331.
- Weld Repaired, Plasma Sprayed And Final Ground Bearing Bore IAW RSS 2402, Log# 02-1076.
- Weld Repaired, Plasma Sprayed And Final Machined Pilot Dia. "L" IAW DOIL 33 Item A.
- Plasma Sprayed And Final Machined Mounting Feet Surface "A" IAW 14W3 72-50-00, Pg. 332 Item 9 & OIL 3 Item 18.
- Plasma Sprayed And Final Machined Rear Flange Surface "AN" IAW 14W3 72-50-00, Pg. 333 Item 15 & OIL 3 Item 18.
- Plasma Sprayed And Final Machined Rear Pilot Dia. IAW 14W3 72-50-00 Pg. 333, Item 17 & OIL 3 Item 18.
- 10. NDT (FPI) IAW 14W3 72-00-00 Pg. 308.
- 11. Final Inspection.

Repair Salvage Scheme (RSS) 2402 Is OEM Approved Data.

All Records Of Work Performed Are On File Under Work Order 28691.

No Further Statements to Follow.

NOT INSTALLED

Additional Sheets Are Attached

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 US Department of Transportation
· Federal Aviation

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

Form Approved OMB No. 2120-0020

For FAA Use Only
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

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1. Aircraft	Serial No.	1529		Nationality and Registration Mark							
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				3. For FAA Use O	nly	1110112) 44 /				
											
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PROPELLER						CAO 12	202				
	Туре										
APPLIANCE	Manufacturer								·		
				6. Conformity Statem	ent						
	ame and Address L & Parts In			B. Kind of Agency			C. Certifi	icate No.			
	60 Simpson R			U.S. Certificated			-				
	i, B.C. V6X			X Certificated Repa		inic	30	9-87			
				Manufacturer			1				
		or alteration made to nce with the require correct to the best of		nit(s) identified in item s of Part 43 of the U.S. knowledge.	4 above a Federal	and described on the Aviation Regulation	he reverse o	or attachmen at the informa	ts hereto ation		
ate				Signature of Author	zed Indi	vidual	7	1	•		
Ma	ay 31, 2002			J. (Gustaf	son	81		"		
Output to				proval for Return To S							
Administrato	r of the Federal Av	n persons specified lation Administration	belov and and	w, the unit identified it is XX APPROVED	n item 4 □ RI	was in <mark>s</mark> pected in	the manne	er prescribe	d by the		
FAA Inspe	Fit. Standards ector	Manufacturer		Inspection Authorization		Other (Specify)		· · · · · · · · · · · · · · · · · · ·			
1 1	Designee	Repair Station	Х	Person Approved by T Canada Airworthiness	ransport Group			۸ .			
May 31,	al or Rejectio <i>r</i> : 2002	Certificate or Designation No. 39-87		Signature of Authoriz	ed indiv	idua!	\bigcap_{-}		(H-8)		
A Form 337	THE CALLETTING THAT IS NOT THE	J770/		J. Gust	arson	- Aleman - A	48	 			

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

Description:

Rolls Royce 250 C30 Gearshaft

P/N 6889157, S/N PHI-0004

- Chrome Plated And Final Ground Seal Journals IAW 14W3 72-00-00 Pg. 410, Final Size: 0.438" & 0.875".
- 2. NDT (MPI) IAW ASTM E1444.
- Final Inspection.
- All Records Of Work Performed Are On File Under Work Order 28587.
- No Further Statements to Follow.

NOT INSTALLED

☐ Additional Sheets Are Attached



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each su	ich violation (Section	n 901 Federal Avia	tion Ac	ot of 1	958).		•		,	V 1,000	
1. Aircraft	Make Bell					Model 206L-3					
I. Aircraft	Serial No. 513	45				Nationality and Registration Mark N363BH					
	Name (As shown	Name (As shown on registration certificate									
2. Owner	P	etroleum Helio	copter	rs, In	c		113 Born	•			
				113 Borns				e, LA 70508			
				3. F	or FAA Use O	nly		,			
				4. L	Init Identificati	on			5. Type		
Unit	Ma	ike			Model		Serial No).	Repair	Alteration	
AIRFRAME	*****	•••••••••••••••••••••••••••••••••••••••	As des	cribea	l in Item 1 abov	(e)	***************************************			X	
POWERPLANT								-			
PROPELLER											
	Туре							-			
APPLIANCE	Manufacturer	······································									
				Cor	nformity Staten						
A. Agency's	Name and Address				Cind of Agency			C Certif	ficate No.		
	m Helicopters, I	nc			U.S. Certificated		;	1	, Powerplant, a		
P.O. Box		iic.			Foreign Certific	ated Mecha	anic		•	f	
	e, LA 70509			X Certificated Repair Station			Accessories Limited - Radio Class 1, 2, and 3 - CRS No. HEER617E				
D. I certify have be	that the repair and/o en made in accordar ed herein is true and	nce with the requir	ements	of Pa	rt 43 of the U.S	n 4 above 6. Federal	and described on to Aviation Regulation	ne reverse	orattachme	nts hereto	
Date				Sign	nature of Autho	rized Ind	ividual				
17	7-31-	95			W. L.	2	wy y	D	AVIS		
			7. Ap	prova	l for Return To	Service					
Pursuant to Administrat	the authority giver or of the Federal Avi	n persons specifie iation Administrati	d belov on and	w, the	unit identified X APPROVED	linitem D⊟R	4 was inspected in EJECTED	the mani	ner prescrib	ed by the	
	A FIt. Standards pector	Manufacturer		Inspe	ection Authoriza	tion	Other (Specify)				
FA	A Designee X	Repair Station			on Approved by da Airworthines		t				
	val or Rejection	Certificate or Designation No.		Sign	ature of Autho	rized Indi	vidual		*******		
12-	71-95	HEER617I	3		M: X. Z	Da	1997	DA	VIS		

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.)

Installed a cargo net to restrain cargo in the hat rack area at Station 148.

See PHI Drawing, PHI-206L3-503, sheet 1 of 1 and later revisions.

The installation is similar to AC 43.13-2A, figure 12.5 and was made according to AC 43.13-2A, paragraph 243b. Picked up existing hardware points on aircraft.

The installation was load tested according to AC 43.13-2A, paragraph 246b.

The weight and balance was computed and equipment list amended as necessary.

Installed placard on hat rack as follows:

PULL RED STRAPS TO RELEASE CARGO NET MAX. WT. ALLOWED 45 LBS.

END

6
US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
<u> </u>	or FAA Use Only
,	or FAA Use Only

(Airframe, Powerplant, Propeller, or Appliance) 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)) Nationality and Registration Mark Serial No. N236PH 51345 1. Aircraft Make Model Series Bell 206 Address (As shown on registration certificate) Name (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafayette State LA 70508-2156 Country USA 3. For FAA Use Only 5. Unit Identification 4. Type Repair Alleration Serial No. Unit Make Model (As described in Item 1 above) \mathbf{Z} **AIRFRAME POWERPLANT PROPELLER** APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U. S. Certificated Mechanic PHI, Inc. Manufacturer Address P. O. Box 90808 Foreign Certificated Mechanic C. Certificate No. Lafayette State LA Clty Certificated Repair Station HEER617E Zlp 70509-0808 Certificated Maintenance Organization 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 Арр. В 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 FAA Fit. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Department of Transport Inspector ΒY Other (Specify) Inspection Authorization FAA Designee Repair Station Certificate or Designation No. AUG 0 8 201 HEER617E

		N236PH		
	Nationality	Nationality and Registration Mark		
C	MPOSITE BAGGAGE DO	OOR		
Installed Baggage Compartment C SH3110SO and Installation Instruction.	mposite Door in accordance w ions Report Number AA-9106	ith Aeronautical A 2, Revision K, da	Accessories, Inc. STC ted November 17,	
Instructions for Continued Airwor Number AA-00020, No Revision,		nautical Accessori	es, Inc. Report	
Compass corrected as required.				
Actual weight and balance compli-	d with			
	11 July 20			
1.5 (1.4)				



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

Form Approved	
OMB No. 2120-0020	
For FAA Use Only	
Office Identification	

Federal Aviation Administration

FAA Form 337 (12-88)

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

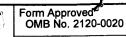
for each su	ch violation (S	ectio	n 901 Federal Avia						portourresultina	ortin portu	ity not to exc	,eeu			
	Make Bell					Model									
1. Aircraft							206L-3								
	Serial No.	1529	9				Na	Nationality and Registration Mark							
									N3116L						
	Name (As shown on registration certificate)							Address (As shown on registration certificate)							
2. Owner	Fleet Cr	redi	it Corporati	on				111 Westminster Street Providence, RI 02903							
							FI	COATO	dence, RI O	2903					
					3.	Fo	or FAA Use Only				*****	·			
										· · · · · · · · · · · · · · · · · · ·		- D. H. ALIEU			
		•													
					4.	Ur	nit Identification				5. Type	**			
Unit		M	ake				Model	-	Serial No		Repair	Alteration			
	 										nepaii	Aiteration			
AIRFRAME			,	A = .d.	ib-	ا است	in Itam 4 abassa)								
AIDEDANIE	~	****	(AS U	escribe	ea i	m nem i above) .	••••	······			X			
POWERPLANT															
, ,															
PROPELLER															
	Туре				- 11'		·		,						
	Type														
APPLIANCE	Manufacture	er ·						ł							
							1								
					6. Co	onf	ormity Statement	t			<u> </u>				
A. Agency's N	lame and Addr	ress			.B.	Ki	nd of Agency			C. Certif	icate No.				
Potrolou	m Helicop	+	s Tno		·	<u> </u>	J.S. Certificated Me	chanic		AIRFR	AME, POW	ERPLANT			
P.O. Box		rei	s, mc.			F	oreign Certificated	Mecha	nic	& ACC	ESSORIES	LIMITE			
	e, LA 70	509			X	-	Certificated Repair S	Station				, 2, & 3			
							Manufacturer				O. HEER6				
D. I certify t	hat the repair a	ind/o	r alteration made to	o the	unit(s)	ide	entified in item 4 a	bove a	and described on th	e reverse	or attachme	nts hereto			
furnished	n made in acci I herein is true	ordai and	correct to the best	emer of m	nts of P ny knov	-a⊓ wle	t 43 of the U.S. Fe dae.	ederai	Aviation Regulatio	ns and th	at the inform	ation			
Date	- ·				Sig	na	ture of Authorize	d Indiv	vidual						
					17		7	,			EDWAR	201			
190	EC. 19	91				1	me K.		Would		Zhim	100			
				7. /	Approy	ai	for Return To Ser								
Pursuant to	the authority	give:	n persons specifie iation Administrati	d bel	low, th	ie i	unit identified in X APPROVED	item 4	was inspected in	the man	ner prescribe	ed by the			
	Fit. Standards	T		<u> </u>					Other (Specify)						
Insp	ector		Manufacturer		Insp	pec	tion Authorization)							
3Y		7,		+	Pare	SOn	Approved by Train	nsnort	7						
FAA	Designee	X	Repair Station				a Airworthiness Gi								
Date of Approv	al or Rejection)	Certificate or		Sign		ture of Authorized		<i>M</i>	1.1					
10 n-	166	,	Designation No. HEER617E		1) :	man R	Q	W 11.		EDWAR	ne			
1100	1991					K/I	may 75	44	Worsh		~	, ,			

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Installed 1	Perkins	Plastic	Composite	baggage	door	according	to	STC	SH3511SW.	
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US Department of Transportation Federal Aviation Administration

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



For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This form is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for e	each such v	violation (Sec	tion 90	01 Federal Aviation A	act of 1	958).								
	••	Make B	ell H	elicopters			Model 206L-3							
1. Air	craft	Serial No.	1529					Mark						
2. Ow	vner			on registration certific easing Company,				stration certific he America: 10036-8701	•					
						3. For	FAA Use Only							
			-			4. Un	it Identification		 		5. Type			
	Unit		M	lake	ļ		Model	<u></u> .	Seria	il No.	Repair	Alteration		
AIRF	RAME	•	reea.	*****	(As de	escril	bed in item 1 a	above) 👡	~~~~~	~~~		x		
POW	/ERPLANT							,						
PROF	PELLER													
APPLIANCE Manufacturer														
<u> </u>		۸			6. (rmity Statement	•		10 0.16.1				
		ame and Addr				B. K	ind of Agency	Machania		C. Certificat				
P. C	O. Box 90		Inc.		l	U.S. Certificated Mechanic Foreign Certificated Mechanic				HEER617E Airframe , PowerPlant				
	ayette, L					Х	Certificated Repa		& Accessories Ltd. Radio Class 1,2,3					
							Manufacturer			I Naulo S	lass 1,±,			
h	nave been	made in acco	ordance	alteration made to the e with the requirement prect to the best of m	nts of F	Part 43	3 of the U.S. Fe	above and d deral Aviation	lescribed on the r on Regulations ar	everse or atta nd that the infe	chments l ormation	nereto		
Date						Sign	ature of Authori	_	ſ					
	3.2	-02					miles ,		uu	T (90	29)			
Dure	event to the	a suthority div	'an na	7. ersons specified below			r Return to Serv		atad in the manne	arasarihad l	4ha			
	ninistrator o	of the Federal	Aviati	ion Administration and			X APPROVE		REJECTED	er prescribed i	oy the			
BY	1	Fit. Standards ector	S	Manufacturer		Inspe	ection Authoriza	ition.	Other (Specify)					
		Designee	х	Repair Station		Cana	on Approved by	ess Group						
	5 - 2 - 6	al or Rejection OZ		Certificate or Designation No. HEER617E			ature of Authoriz		ur	(902	9)			



8. Description of Work Accomplished

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

CONCORDE LEAD ACID BATTERY

Installed Concorde RG222 Valve Regulated Sealed Lead-Acid Battery in accordance with Falcon Crest Master Drawing List FC-003, Revision IR dated February 29, 1996 or later FAA approved revision in accordance with STC SR09069RC.

later FAA approved revision in accordance with 51°C 5R09009RC.									
Attached Rotorcraft Flight Manual Supplement dated May 6, 1996 or later RFMS. See Flight Manual for Placard Indicating Lead-Acid Battery installed.									
Weight and Balance A	mended.								
		END							

Additional Sheets Are Attached

U.S. GOVERNMENT PRINTING OFFICE: 1992-769-012/60157

US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only
	···

AUG 0 8 2013

(Airframe, Powerplant, Propeller, or Appliance) 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)) Nationality and Registration Mark Serial No. 51345 N236PH 1. Aircraft Model Series Make Bell 206 1 -3 Address (As shown on registration certificate) Name (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafayette 70508-2156 Country USA 3. For FAA Use Only 5. Unit Identification 4. Type Serial No. Repair Alteration Unit Make Model (As described in Item 1 above) \square AIRFRAME П POWERPLANT П **PROPELLER** Type APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U. S. Certificated Mechanic PHI, Inc. Manufacturer C. Certificate No. Address P. O. Box 90808 Foreign Certificated Mechanic Lafayette State LA Certificated Repair Station City HEER617E USA Zip 70509-0808 Country Certificated Maintenance Organization 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 App. B 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 ✓ Approved Administrator of the Federal Aviation Administration and is Rejected Persons Approved by Canadian Department of Transport FAA Fit, Standards Maintenance Organization Manufacturer Inspector BY Other (Specify) FAA Designee Repair Station Inspection Authorization Signature/Date of Authorized Individual Certificate or Designation No. Dale Burlot

HEER617E

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.

	N236PH	AUG 0 8 2013
	Nationality and Registration Mark	Date
CONSO	LE ASSEMBLY	
	e with Aeronautical Accessories, Inc. STC AA-88089, Revision N, dated July 14, 2000	
nstructions for Continued Airworthiness Number AA-00132, Revision B, dated Ju	are covered under Aeronautical Accessorily 29, 2009.	es, Inc. Report
	•	
Compass corrected as required.		
Actual weight and balance complied with	(A) (M.)	
	19.001	
		•
in del	A. A. A. A. A.	



US Department of Transportation

Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions
and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000
for each such violation (Section 901 Federal Aviation Act of 1958).

for each	n such violation (S	ectic	his report is require on 901 Federal Avia	ation Ar	2t of 1	U.S.C. 1421). Fa 1958).		ort can result in a	civil pena	Ity not to exc	eed \$1,000
4 Aircraf	Make Bell	1			Model 206L-3						
1. Aircraft	Serial No. 513	45_					Nationality N363	y and Registration 3BH	n Mark		
	i i		n on registration ce		e)			As shown on regi		ertificate)	
2. Owner	2. Owner Petroleum Helicopters, Inc.						1	Borman Drive yette, LA 705	=		
The	14-1-1-1-1					= =====	<u> </u>	, occo,			
desc autho	cribed aircraft subj norized in Section	ments piect t	tified herein complets and is approved to conformity inspect of the FAR.	- 4 -			ily	·	-		
	29/97	le 1	in A	1	-						
Date	PAA	Insr	pecto	SW	-BJR	Unit Identification				1	
1	<u> </u>			T	4.		on			5. Type	T
Unit		Ma	lake			Model		Serial No.		Repair	Alteration
AIRFRAME	~	~~~	,	(As desc	cribe	d in Item 1 abov	'e) ••••••				X
POWERPLA	ANT										
PROPELLER	R	3									
	Туре										
APPLIANCE	Manufacture	Manufacturer									
					ò. Co	onformity Staten	nent				
A. Agency	y's Name and Addr	ress			В.	Kind of Agency				ficate No.	
	eum Helicopter	rs, r	nc.		U.S. Certificated Mechanic				Airframe,	Powerplant, as	nd
	Sox 90808	_			X	Foreign Certificated Rep		iC .	Accessori	es Limited - Ra	idio Class
Larayeı	tte, LA 70509) 			 	Certificated Rep Manufacturer	air Station		1, 2, and 3	3 - CRS No. HI	EER617E
have	been made in acco	cordar	or alteration made to ince with the require I correct to the best	rements	s of Pa	identified in item art 43 of the U.S	14 above and S. Federal A	d described on th viation Regulatio	e reverse	or attachmen at the inform	nts hereto nation
Date					Sign	nature of Autho	rized Individ	dual			
4	-5-97					Carl.	All				
· · · · · · · · · · · · · · · · · · ·					<u> </u>	al for Return To					
Pursuant Administ	t to the authority trator of the Feder	giver al Av	n persons specified viation Administration	d belov ion and	v. the	e unit identified APPROVED		JECTED	the mani	ner prescribe	ed by the
1 6 .	FAA Fit. Standards Inspector		Manufacturer		Insp	pection Authoriza	ition	Other (Specify)			
	FAA Designee	X	Repair Station		Cana	son Approved by ada Airworthines	ss Group				
	proval or Rejection	ı	Certificate or Designation No. HEER617	'E	Signature of Authorized Individual						

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. Descrip	tion	of Work	Accomplishe	d

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

DUE TO AN ERROR ON 337 DATED 4-22-97, ITEM NUMBER 4, I AM RESUBMITTING THE CORRECT INFORMATION ON THIS 337.

	REMOVED GARMIN GPS-150 SYSTEM PREVIOUSLY INSTALLED ON 337 DATED 1-4-95. PLACARD "GPS LIMITED TO VFR USE ONLY" REMAINS AS IS.											
	INSTALLED THE FOLLOWING EQUIPMENT											
	Model Station Drawing Number Circuit Breaker (amp.) 1. Trimble TNL2000A GPS 47.31 PHI-206L-12562, Rev. A											
	Installation made to withstand loads as per FAA Advisory Circular AC 43.13-2A, Chapter 1, paragraph 2.											
	Battery and generator are sufficient for electrical load according to AC 43.13-2A, Chapter 2, paragraph 27d.											
Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC 43.13-2A, Chapter 2, paragraph 27a(2).												
	Wires and cables are supported by insulated clamps to prevent chafing according to AC 43.13-1A, Chapter 11, section 7, paragraph 518.											
	Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, Chapter 2, paragraph 21a and 27e.											
	Equipment switches and circuit breakers placarded for radio installation as required by AC 43.13-2A, Chapter 2, paragraph 27c(4).											
	Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, Chapter 1, paragraph 8.											
	Antenna installation located and installed similar to AC 43.13-2A, Chapter 3, paragraph 36a, b, and 38b. Antenna located at fuselage station 84 on servo cowl.											
	Installation of GPS meets requirements of AC 20.138, paragraph 7. GPS is a stand alone unit and for VFR use only.											
	Placard "GPS Limited to VFR use only"											
	A flight check was made on 4-22-97 to assure that the accuracy requirements of AC 20.138, paragraph 6 were met during flight. [X] YES [] NOT APPLICABLE											
	The installation of the GPS has been previously installed and approved under STC SA8013SW on Beech Aircraft Model S35.											
	Compass corrected as required.											
	Weight and balance amended as required.											
	END											

6
US Department
of Transportation
Federal Aviation
Administration

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number	
F	or FAA Use Only	
		_

MAJOR REPAIR AND ALTERATION								11/30/20	07	For FAA Use Only				
US Department of Transportatio Federal Aviatio Administration	on I	`		werplant, Prop							w.w			
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))														
Nationality and Registration Mark Serial No. N233PH 51529														
1. Aircraft	Make	<u></u>					Mode			Series				
	Bell				206						L-3			
Name (As shown on registration certificate) Address (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Th											certificate)			
2. Owner	PHI,	Inc.					Addres	s Quality Lafave		urano	€ 2001	State LA		
							Zip	70508-						
					3.	. For FAA Use	Only							
4. Ty _l	ре				5	. Unit Identific	ation							
Repair	Alteration	Uni	t	Ma	ke)	Model			lel	Serial No.			
	✓	AIRFRAM	IE			(As described in Item 1 abov					bove)			
		POWERF	LANT											
		PROPEL												
		APPLIAN	CE L	rpe anufacturer							<u></u>			
A A = 1 A	Name and A	ddrace		6		Conformity Sta								
A. Agency's i		uuress			-	3. Kind of Agend U. S. Certific		hanic			Ma	anufacturer		
Address P. O.	Box 9080	8				Foreign Cert				C. Certificate No.				
city <u>Lafay</u>		ountry USA		State <u>LA</u>	¥	Certificated Repair Station Certificated Maintenance Organization					HEER617E			
D. I certify	that the re	pair and/or accordance	e with the prrect to t	e requirements of the best of my kno	Pa) identified in it art 43 of the U.S edge.	em 5 ab	ove and	des	cribed o	on the re	everse or attachments hereto hat the information		
	Extended range fuel per 14 CFR Part 43 App. B Signature/Date of Authorized Individual Thomas Lane 7-2-2012													
			J			oval for Returi								
Pursuant t Administrat	o the auth tor of the Fe	ority given deral Aviat	persons on Admir	s specified below nistration and is	۷,	the unit identi	fied in ✓ Appr	item 5 v	was	inspect Rejecte	ed in t	he manner prescribed by the		
1 1 1.	AA Flt. Stand spector	dards	Manufa	acturer		Maintenance O	rganizat	ion	<u>C**</u>	Depar	tment of	oved by Canadian Transport		
	AA Designee	e X	Repair	Station		Inspection Auth	orizatio	n	Othe	er (Spe	есіту)			
Certificate or Designation N	No. IEER617E	-	1 ~	ure/Date of Author nomas Lane	ize	ed Individual Lomas C)			7-2	2-2012		
I			1	- Comment	`	1 U 1 V VOCO C	100	A						

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.)

N233PH

7-2-2012

Nationality and Registration Mark

Date

DC Power Cable Replacement

Replaced main DC power cables in Bell 206L-3 VFR electrical system configuration, from Battery Relay aft to Starter/Line Control Relay. Reference PHI Drawing Number PHI-206L-12641, Revision IR, 08/06/98.

Approval for this modification received on FAA Form 8110-3 completed by DER Britt Hanks, Designation Number SW-730, dated 9-22-98, serial number SW-730-98-20.

Compass corrected as required.

Actual weight and balance complied with.

END

Additional Sheets Are Attached

- Marie - The state of the stat	U.S. DEPARTMENT OF TRANSPORTATION DATE FEDERAL AVIATION ADMINISTRATION Southern 22, 1008										
STATEMENT OF COM			VIATION REGULA	ATIONS	\	September 22, 1998					
			PONENT IDENTIFICAT	and the second s							
MAKE	MODEL NO.	TYPE (Airplane,		NAME OF	AP	PLICANT					
75 11 VV 11	206L-1, 206L-3,	Helicopter, etc.)	aonto-	Dec 1		TT-ti					
Bell Helicopter Textron	206L-4		icopter	Petrole	eum	Helicopters, Inc. (PHI)					
Mariana varav.		LIST OF D	ATA TITLE		***********						
IDENTIFICATION	i		IIILE	Application of the State of the							
PHI-206L-12641 Revision (IR), 08/06/98	IN 206	L1, 206L3 & 20									
PHI-206L-TA-0001 Revision (0), 05/26/98			YSIS FOR REPLA HELICOPTERS N			OF MAIN DC POWER L-1, -3, -4					
	1. The Electrical and design data list Mechanical asp. 2. The data listed No. 206L-88-5 A.S.B. No. 206 3. This approval is configurations, a) Model 206 b) Model 206 c) Model 206 4. Additional Instee existing approval.	herein and no pects are minor; herein incorpor 0 dated 1/18/88 bL-81-20 through is valid only for with the following serial numbers are all numbers of the corporate of the corp	ot the workmanship No other aspects a rates the intent of A rates the intent of A rates the intent of A rates the intent of B rates the revision "B" dates the revision "B" dates the revision "B" dates the revision and subsect 51001 and subsect 52001 through the ratinued Airworthing Maintenance Inspections	Alert Servent with the discount of the sequent. Sequent. Sequent. Sequent. Sequent. Sequent. Sequent. Sequent. Sequent. Sequent.	allatevice the asset of the ass	applicable portions of ical system					
			nspection is not red		,						
PURPOSE OF DATA					*************						
	gn data in support o										
			ell Model 206L-1,	206L-3,	and	206L-4 helicopters.					
APPLICABLE REQUIREMENTS	S (List specific section	s)				<u>-</u>					
FAR Part 27, ame 27.1351(a)(1)(2);	endment 27-1 throu; 27.1365(a),(b).	gh 27-30: 27.	1301(a),(b),(c); 2	:7.1309(2	ı),(c),(d);					
CERTIFICATION - Under auth appointment under Part 183 of t examined in accordance with es	the Federal Aviation Reg stablished procedures and	gulations, data liste d found to comply	ed above and on attache	ed sheets n	umb	ered <u>NONE</u> have been					
Ap	ecommend approval of t pprove these data		<i></i>	Parado de la companya							
SIGNATURE(S) OF DESIGNATED E			DESIGNATION NUMBE	R(S)		CLASSIFICATION(S)					
Barrell R.	HA- Hanks	2	SW-730	1 .		ms and Equipment					



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43. Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958)

for	each suc	ch violation (Sect	ion 9	01 Federal Aviatio	n Ãct	of 19	958)).		'		•	-	
	_	Make Bell			***************************************	mareconnistenes acce			Model 20	6L-3				
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	participation of the state of the					4.	Un	nit Identificati	on	2 To programming the Scopers			5. Type	
	Unit		Make					Model			Serial No		Repair	Alteration
AIRF	RAME	(As de				escril	bea	in Item 1 abo	ve)				×	
POW	ERPLANT	-												
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APP	LIANCE	Type Manufacturer			•									
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		Name and Addre	SS			B	3. Ki	ind of Agency		******************************		C. Certifi		
РНІ, Р. О.	Inc. Box 9080	8				-		U.S. Certificate	***************************************	***************************************		Airfi	HEER617I ame, Powerpl	
Lafa	yette, LA	70509				7	×	Certificated Rep				1	ccessories Lim Idio Class 1, 2	
~~~			nvalan source on ou		DOVINGE CHICAGO			Manufacturer		***************************************	924402424000000042400000000000000000000	<u> </u>		***************************************
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acco Date		th the requirements	of Par	rt 43 of the U.S. Fede	ral Avia	OF CASE VANCOUS CONTRACTOR		ulations and that the control of Authorian ature of Authorian ature.	COMMUNICATION CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACT		ned herin is tru	e and correc	t to the best of r	ny knowledge.
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BY	3 3	A Flt. Standards pector		Manufacturer				ection Authoriz			ner (Specify	)		
		A Designee	×	Repair Station		C	Can	son Approved I ada Airworthin	ess Grou	Р			000000	
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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.	Desc	ription	of Work	Accomp	lished

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

Part Nomenclature:			er Shell Assembly Part Number:	206-033-099-223
Repair Number:		ell Assembly -206L-RP-0115	Serial Number:	N/A
respent reamour.		2002 14 0113	_ 501141 1 (4111501)	
Replaced middle st .020 thick with a .0	tiffener P/N 1 032 thick ove	51-028A50204 erlay aluminum	using adhesive lis doubler to upper	side of shell assy. as required sted. Installed aluminum fille side of Aft. lower shell usin ther repair as required.
a .032 thick alumin	num filler with dhesive and N	h a .040 thick alı	ıminum doubler o	hell assy. as required. Installe overlay at the fwd. edge of th glass overlays at both bottor
1 1				
(Bottom side repair Replaced stiffener	P/N 151-028	A50204 using a	dhesive listed. Ins	from shell assy. as required stalled a .020 thick aluminurd NAS9303B-4 rivets.
(Bottom side repair Replaced stiffener filler with a .032 thi	P/N 151-028 ick aluminum made accordi	A50204 using acdoubler overlaying to the manu	Ihesive listed. Insusing adhesive and facturer's helicop	stalled a .020 thick aluminur d NAS9303B-4 rivets. ters structural repair manua
(Bottom side repair Replaced stiffener filler with a .032 thi Structural repairs 1	P/N 151-028 ick aluminum made accordinis repair exce	A50204 using acd doubler overlaying to the manuseded the limits as	Thesive listed. Insusing adhesive and facturer's helicops specified in the n	stalled a .020 thick aluminur d NAS9303B-4 rivets. ters structural repair manua nanual.
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Additional Sheets Are Attached



Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000

for each suc	h violation (Section	on 901 Federal Avia	ition Ac	t of 1958).		•		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1. Aircraft	Make Bell		17		Model	206L-3			***
	Serial No.	51345		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ity and Registration 97PT	n Mark		
	Name (As shown	n on registration ce	rtificate	9)	Address	(As shown on reg	istration c	ertificate)	
2. Owner	Taylor	Energy Co	ompa	ny	2 N	34 Loyola New Orlean	Bldg s, LA	suite 70112	500
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		*		4. Unit identificat	ion			5. Type	<del>'', ''' '</del>
Unit	M	ake ·		Model		Serial No		Repair	Alteration
AIRFRAME	•••••	······································	As desc	cribed in Item 1 abo	Vθ) •••••	***************************************		, , ,	x
POWERPLANT							, p. 1		
PROPELLER								•	
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			6	. Conformity State	ment				<u> </u>
A. Agency's Na	ame and Address			B. Kind of Agenc			C. Certif	icate No.	
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	, LA 7036			X Certificated Re	pair Station			687K	τ.
nave peen	i made in accordai	or alteration made t nce with the requir correct to the best	ements	it(s) identified in ite of Part 43 of the U.	m 4 above a S. Federal	and described on the Aviation Regulation	ne reverse	or attachmo	ents hereto mation
June	1, 1990			Signature of Author	orized Indiv	vidual	Jim	Grave	8
			7. Apr	proval for Return To	Service		<del></del>		
Pursuant to t Administrator	the authority giver r of the Federal Av	n persons specifie iation Administrati	d below on and	the unit identified is MAPPROVE	d in item 4	was inspected in	the man	ner prescrib	ed by the
FAA I Inspe	FIt. Standards ector	Manufacturer		Inspection Authorize	ation	Other (Specify)	,		
FAA I		Repair Station		Person Approved by Canada Airworthine	Transport ss Group				
Date of Approva	al or Rejection	Certificate or Designation No. AE2R687K	·	Signature of Author	rized Indiv	idual	Jim G	raves	
AA Form 337				/ /			1		

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.)

Installed a DMC 6.2 ELT antenna on top of fuselage at station # 229.0. Installed a CI 205 Nav antenna on rear of fuselage at station # 205.0. Installed a AV 571 Nav splitter in pedistal at Installed a KA 44 Loop antenna on bottom of station # 30.0. fuselage at station # 186.0. Installed a DMC 57-1 antenna on bottom Installed a DMC 63-2A Com antenna of fuselage at station # 25.0. on bottom of fuselage at station #161.0. Installed a KA 60 antenna on bottom of fuselage on left hand side at station 61.5. Installed another KA 60 antenna on the right hand side of the fuselage at station # 61.5. Installed CI177 FM antenna on top of fuselage at station # 74.0. Installed a CI 121 Com antenna on top of Installed a KA 26 Marker Beacon antenna fuselage at station # 80.0. on bottom of fuselage at station # 198.0.

Installed equipment I/A/W 43.13-2A chapter 1, chapter 2, par. 21, 22, 23, 24, 25, 26, 27, & 28, chapter 3 par. 36, 37, 38, 41, 41, & 43. Normal operation procedures are described in equipment's pilots operating manual. Tested Transponder I/A/W 91.172 part 43, app. E. Encoder tested I/A/W FAR 43 app. E, (a), (c).

777	**



1. Aircraft

Bell

51529

Name (As shown on registration certificate)

Serial No.

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

206L-3

N3116L

Address (As shown on registration certificate)

Nationality and Registration Mark

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

Model

2. Owner	Safeco Cr	edit	Company,	Inc.		eco Plaza ttle, WA	98185		
	.l			3. For FAA Use	Only		•		
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·								:	
				4. Unit identifica	ation	Γ		5. Type	
Unit	Ma	ike		Model		Serial No	•	Repair	Alteration
AIRFRAME	*****		••••• (As des	cribed in Item 1 ab	ove)				Х
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PROPELLER		V							
	Туре								
APPLIANCE	Manufacturer								
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	te, LA 70	509		Manufacture	<del></del>		CRS No.	HEER617E	<u> </u>
have be	that the repair and/c en made in accorda d herein is true and	nce with 1	the requirement	s of Part 43 of the	tem 4 above U.S. Federa	and described on t Il Aviation Regulation	he reversons and t	e or attachme hat the inforn	nts hereto nation
Date	11-6-9			Signature of Au	thorized Inc	dividual	*****	:	
			7. A	pproval for Return	To Service				
Pursuant to	the authority give	n person	s specified belo	w, the unit identif	ied in item	4 was inspected in	the ma	nner prescrib	ed by the
FA	A Flt. Standards pector	Manufac		Inspection Autho	.,	Other (Specify)			
BY	A Designee X	Repair S	Station	Person Approved Canada Airworthi		rt			
	oval or Rejection	Certific Designa HEE	ate or ation No. R617E	Signature of Aut	horized Ind	fividual		:	
FAA Folin 33		<u> </u>		<u> </u>					

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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.

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US Department of Transportation Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

Office Identification

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each su	ch violation (Sec	tion 901 Federal Av	viation A	Act of	1958).				,	0000 \$ 1,000
1. Aircraft	Make	ell				Model	206L-3			
I. Alleian	Serial No.	1345				Nation	ality and Registrati		······································	
		vn on registration (	certifica	to l		A d d	N363BI			
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	L						Lafayett	e, LA 7	70508	
		· · · · · · · · · · · · · · · · · · ·			For FAA Use Or					
T	he data identific	ed herein complie	s with a	appli	cable airworthir	ness req	uirements and is	approved	for the abov	re
d	escribed aircraf	t subject to confor	rmity ir	ispec	tion by a person	authoi	rized in FAR 43, S	Section 43	3 7	
	Date: 6/30	2/97	FAA L		/	1		,		
		-	IAA		Unit Igentification	20	1	2M-B1	R-FSDO	<u> </u>
Unit		<b>∕/a</b> ke			V				5. Type	T
	"	nake			Model		Serial N	o. ————	Repair	Alteration
AIRFRAME	****	************	(As des	cribe	ed in Item 1 above	9)	**************	•		X
POWERPLANT										
PROPELLER				<del></del>						
	Туре		<del> </del> -					<del></del>		
APPLIANCE										
	Manufacturer				٠,.					
			·	S. Co	nformity Stateme	ent				
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Petroleum	Helicopters,	Inc.			U.S. Certificated	Mechanic			Powerplant, ar	
P.O. Box 9					Foreign Certificat				es Limited - Ra	
Lafayette,	LA 70509			X	Certificated Repa Manufacturer	ir Station			3 - CRS No. HI	
D. I certify that have been furnished it	at the repair and/o made in accorda nerein is true and	or alteration made t nce with the requir correct to the best	o the un ements	it(s) i	dentified in item	4 above Federal	and described on th Aviation Regulation		<del></del>	
ate	······································				nature of Authori	zed Indi	ividual			
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		Repair Station		Cana	on Approved by Ti da Airworthiness	Group				
ate of Approval		Certificate or Designation No.		Signa	ature of Authoriz	ed Indiv	ridual			
6-30	-97	HEER617E	Ξ		WIR	· >	Bla			i

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.)

Installed a Door and Doubler Assembly onto the right hand side of the intake cowling  $2\frac{1}{2}$  inches forward of the transmission oil level sight hole. This installation is made to complete the Tanis Aircraft Services, Inc. TAS300 Preheater System. The doubler is .050 2024T3 and is patterned after the small patch in AC43.13-1A figure 2.24. The following acceptable data applies:

AC 43.13-1A Par 100d(1) small patch

AC 43.3-1A Chapter 2 Par 99 C & F riveting

AC 43.13-1A Fig. 2.24 small patch Weight and balance amended as required.

Additional Sheets Are Attached

TANIS AIRCRAFT SERVICES, INC.

PDR Door Assembly

Door and Doubler Assembly

Instruction # 113

Installation

This door is designed to be installed in aluminum skins of .050" or thinner. The doubler is .050" 2024T3. Do not install it in the pressure vessel of a pressurized aircraft. The installation of this door is a major alteration even when installed in a cowling (reference FAR 43 Appendix "A" (a) VIII).

The installation data must be approved by the FAA in your district prior to installation. Then complete a FAA Form 337, which must be approved for return to service by an IA or certificated repair station.

It should not be installed so as to intersect with a stringer. The installing mechanic should determine that the added mass and plugging in the heater will not cause flexing and cracking of the skin (reference AC 43:13-2 Chapter 1). The installation is similar to the following approved data: AC 43:13-2 figure 3.6 and AC 43:13-2 figure 4.1. The doubler was patterned after the small patch in AC43:13-1A figure 2.24.

The following approved data applies:

AC 43:13-1A Par. 100d (1) (small patch) AC 43:13-1A Ch 2, Par. 99 C & F (riveting) AC 43:13-1A Fig. 2.24 (small patch)

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The rivet size and pattern is to be copied from the nearest skin lap per the note on Fig. 2.24.

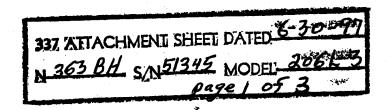
Should the installation not conform to the above approved data you should contact your GADO to see if a field approval can be obtained prior to making the installation.

 Cut out opening for door from supplied template. For best results cut undersize and then trim and file to match the template.

3. With the cover door latched hold the unit in place and drill one or two noles from the back side.

4. Cleco the unit in place, check the opening of the door for interference with the skin and if all right drill the rest of the holes.

5. Rivet in place.



This flush plug door is to be installed in non-structural panels such as cowling. If you must install it in structure you will need a field approval and Form 337.

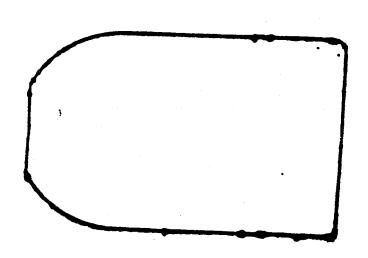
Out out opening for door from supplied template.
 For best results cut undersize and then trim and file to match the template.

 Install the FMP receptacle to the backing plate with #6-32 flushhead screws (AN 507) and #6-32 locknuts (AN 365).

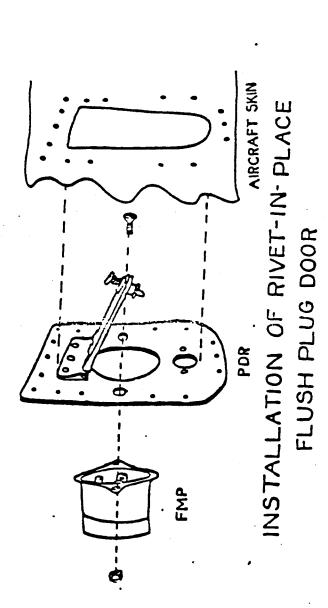
 with the cover door latched hold the unit in place and drill one or two holes from the back side.

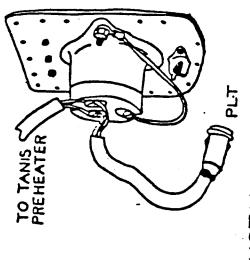
4. Cleco the unit in place, check the opening of the door for interference with the skin and if all right drill the rest of the holes.

5. Rivet in place.

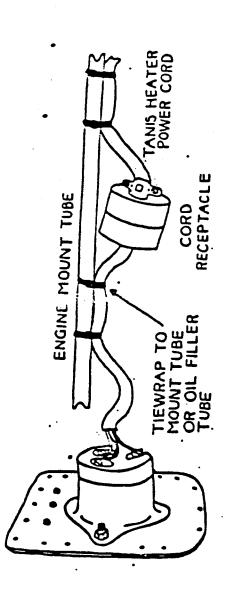


337 ATTACHMENT SHEET DATED 6-30-97
N 363 BH. SN 5/345 MODEL 206L-3
page 2 05 3





INSTALLATION WITH PILOT LIGHT



FOR INSTALLATION IN REMOVABLE COWLING

337, ATTACHMENTI SHEET DATED 8-30-97 N 363 BH SAN 51345 MODEL 3061-3

COMPONENTS & FMP FLUSH PLUG

DWG. # FMP-PDR
TANIS AIRCRAFT SERVICES, INC.
Manidood Auropa
GLENWOOD, MINN 34314



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

Form Approved		-
OMB No. 2120-	-00	20

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

	Make	Bell			Model	2007. 2			· · · · · · · · · · · · · · · · · · ·			
1. Aircraft		) CII			- I	206L-3	· · · · ·					
		51345			Nationa	lity and Registrati N363BH						
	Name (As sho	own on registration o		ficate) Address (As shown on registration certificate)								
2. Owner		Petroleum Hel	icopte	ers, Inc		113 Bor		·				
					Lafayette, LA 70508							
				3. For FAA Use	Only		<del>-,</del>					
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			* .	4. Unit Identifica	etion.			T				
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- Oilit		IVIARE	<u> </u>	Model		Serial N	0.	Repair	Alteration			
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PROPELLER		: .										
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APPLIANCE	Manufacturer											
				6. Conformity State	ement		<del></del>		<u> </u>			
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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.

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X Right Hand Crew	X Left Hand Crew	X Right Hand Passenger
X Left Hand Passenger	Baggage	Composite Baggage
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	END	

ED MARDS

US Department of Transportation
Federal Aviation

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

Form Approved	
OMB No. 2120-0020	
For FAA Use Only	
Office Identification	

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43. Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

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FAA Form 337 (12-88)

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.

	Accomplished irred, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)	
	STC Installation	
stalled elastomeric ta 25-2000, or later FA	ail rotor bearing in accordance with Lord Corporation Top Level Drawing S-7877, Revision C, dated A approved revision and STC SR09248RC.	
eight and balance an	nended as required.	
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	☐ Additional Sheets Are Attached	

#### **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

US Department of Transportation

Federal
Aviation
Administration

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 instru	ctions and d		nis fo	orm. This repo						to report can result in a civil		
	Nationality	and Registration						Serial No. 51529				
1. Aircraf	t Make Bel	I				Model 206				Series L-3		
	,	s shown on regist	ration	certificate)	Address			Address Quality Assur	ress (As shown on registration certificate) dress Quality Assurance 2001 SE Evangeline Thruw			
2. Owner								City Lafayette Zip 70 <u>508-2156</u>	State LA untry U <u>SA</u>			
					3.	. For	r FAA Use	Only				
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have	been made in		th the	e requirements	of F	art 4	13 of the U	em 5 above and described on S. Federal Aviation Regula		everse or attachments hereto and that the information		
Extended r per 14 CFF App. B			Sig	nature/Date of	f Au	thoriz	1.	dual				
				7.	App	rova	al for Ret	urn To Service				
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BY	FAA Flt.	Standards r		Manufacturer				nce Organization		Persons Approved by Canadian Department of Transport		
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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.

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

N3116L C

05/09/2012

Nationality and Registration Mark

Date

**NOMENCLATURE: ELEVATOR** 

**ORIGINAL PART NUMBER: 206-023-119-159** 

**UPGRADED TO PART NUMBER: 206-023-119-179** 

**SERIAL NUMBER: H22436** 

**WORK ORDER NUMBER: W153028AA** 

OVERHAULED PANEL MENTIONED ABOVE IN ACCORDANCE WITH ACADIAN COMPOSITES FAA APPROVED OVERHAUL PROCEDURE NUMBER PHI-450-OP-032, REVISION A, DATED 11/24/99 AND UPGRADED IN ACCORDANCE WITH OVERHAUL PROCEDURE PHI-450-OP-050 DATED 10/15/02, REVISION E.

-----END------

☐ Additional Sheets are Attached



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

orm A	/ppr	oved
ОМВ	No.	2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

forea	ach suc	h violation (S	ectic	on 901 Federal Avia	ation A	ct of 1	1958).						
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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 W	ORK ACCOMPLISHED	) (If more ion mark	space is require and date work	ed, attach completed	additional sheets. .)	Ident	ify with air-
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# US Department of Transportation Federal Aviation Administration

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

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Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

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		Make B	eli H	elicopters				Model	206L-3			
1. Air	craft	Serial No.	1529					Nationality and Registration Mark N3116L				
2. Ow	ner			on registration certific eum Helicopters,				1	stration certific geline Thruv 70508		7411	
						3. Fo	r FAA Use Only					
·		J				1 lin	it Identification				5. Type	
1	Jnit			ake		4. 011	Model		Seria	l No.	<u> </u>	Altorotion
			IVI	ane			iviodei		Seria	i NO.	Repair	Alteration
AIRFF	RAME	~	~~		(As d	escri	bed in item 1 a	above) 👡	****	***		x
POWE	ERPLAN	Г										
PROP	PELLER									,		
		Туре										
APPLI	IANCE	Manufacturer										
					6.	·-	rmity Statement		I		I	i
A. Ag	gency's N	lame and Addr	ess			B. K	ind of Agency			C. Certificat	e No.	
Petr	oleum I	Helicopters, angeline Thr	inc.	v			U.S. Certificated			HEER617		lant
Lafa	yette, l	.a. 70508	uwa	y			Foreign Certificat Certificated Repa			Airframe & Access	sories Lt	d.
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ha	ave been	made in accor	danc	alteration made to the e with the requiremer rrect to the best of m	nts of I	Part 4	3 of the U.S. Fe					ereto
Date						Sign	ature of Authoriz	zed Individua	al .			
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							r Return to Servi					
				rsons specified below on Administration and		unit id	entified in item 4		ited in the manne REJECTED	er prescribed t	by the	
BY -	I .	Fit. Standards ector		Manufacturer In			Inspection Authorization Other (Specify)					
	FAA Designee X Repair Station						Person Approved by Transport Canadian Airworthiness Group					
	Approv	al or Rejection		Certificate or Designation No. HEER617E			ature of Authoriz	Phin				

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.)  Apical Float Installation	
Installed emergency float / life raft system in accordance with Apical Industries, Inc. STC SR01535LA.	
Removed light weight float system and wiring previously installed in accordance with Bell SI 206-2033	•
Installed Apical Industries, Inc. Rotorcraft Flight Manual Supplement FMS-PHI-1, Rev. A, dated 10-24-03 manual as required.	3 in flight
Actual weight and balance complied with.	
END	
☐ Additional Sheets Are Attached	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1



Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

NSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions	
indusposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000.	
or each such violation (Section 901 Federal Aviation Act of 1958).	

		Make					· · · · · · · · · · · · · · · · · · ·	Model		= .			
1. A	ircraft	Coriol No.		BELL					•	206L-3			
		Serial No.		51345			•	Nationa	lity and Registration				
		Name (As s	how	n on registration co	ertifica	te)		Address	(As shown on reg	N363BH	certificate)		
2. 0	wner			PETROLEUM HELIC	ОРТЕБ	RINC			113	BORMAN TE LA 705	DR		
						3.	For FAA Use O	nly		-			
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***		Τ				4.	Unit Identificati	on			5. Type		
	Unit	Make				Model Serial N			Serial No	).	Repair	Alteration	
AIRFF	RAME	~	••••	(	As des	cribe	d in Item 1 abov	(B) •••••	***************************************			xx	
POWE	ERPLANT												
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APPLI	ANCE	Manufacture	er ,				. •						
						6. Co	nformity Statem	ent		·			
4. Ag	jency's N	ame and Addi	ress			B.	Kind of Agency			C. Certi	ficate No.		
		Air Method				-	U.S. Certificated Foreign Certificated				CRS # QMLR	253U	
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				or alteration made to nce with the require correct to the best				4 above . Federal	and described on the Aviation Regulation	ne reverse ons and th	or attachmer at the inform	its hereto ation	
ate		August	: 05,	1997		Sig	peture of Author	rized Indi	vidual				
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Y	FAA Inspe	Fit. Standards ctor		Manufacturer		Insp	ection Authorizat	ion	Other (Specify)				
		Designee	x	Repair Station		Perso Cana	on Approved by a	ransport Group				İ	
ate of		l or Rejection Aug. 97		Certificate or Designation No. CRS # QMLR25	3U		ature of Authorina L. Iacolino	2ed Indiv	idual	0			

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.)

### N363BH

S/N: 51345

Date: 05 August 97 ACTT: 5953:30 hrs.

Installed Air Methods Corporation (AMC) Emergency Medical Interior System in accordance with AMC Master Drawing List (MDL) No. 111-9010, Rev. C, dated August 1, 1997. This data is approved under Supplemental Type Certificate (STC) No. SR00302DE, dated August 5, 1997. (attached)

Placed a copy of the FAA approved flight manual supplement RFMS 080-0235, Rev. -, dated August 5, 1997.

The aircraft was weighed in this configuration. An updated weight record and equipment list were placed into the aircraft's flight manual. For further details see Work Order No. M4117 on file at Air Methods Corporation. *END*

6
US Department
of Transportation
Federal Aviation
4 4

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

	Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number	
i		or FAA Use Only	

Fε	Transportati deral Aviat Iministratio	on .	(Air	rtran	ne, P	'owerplant, i	Prop	elle	er, or App	liance)			· _		· · ·
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Name	<del> ,</del>	Inc Box 90808	<u> </u>		<del>,</del>		— .}	$\dashv$	U. S. Certifica Foreign Certi				<del></del>	nufacturer ' ficate No.	<del></del>
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BY		A Designee		х	Repa	ur Station		Ins	pection Autho	rization		Other (	Specify)		
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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.

N363BH O3 - Nationality and Registration Mark  Structural Repair	2 - 2013 Date
Structural Repair	
,	
Repair of Engine Pan at Station 172.53	
	32-315-141
Repair Number PHI-206L-RP-0071 Rev. IR Part Serial Number	N/A
Approval received for this repair according to data approved on FAA Form 8110-3.  By DER: Michael T. Cox Designation Number: DERT-710057-SW  2110-03311	<u> </u>
By DER: Michael T. Cox Designation Number: DERT-710057-SW 06-20-2003 8110-3 Serial Number: 8110-03311	<u> </u>
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By DER: Michael T. Cox Designation Number: DERT-710057-SW Dated: 06-20-2003 8110-3 Serial Number: 8110-03311  Actual Weight and Balance complied with.	
By DER: Michael T. Cox Designation Number: DERT-710057-SW Dated: 06-20-2003 8110-3 Serial Number: 8110-03311  Actual Weight and Balance complied with.	
By DER: Michael T. Cox Designation Number: DERT-710057-SW Dated: 06-20-2003 8110-3 Serial Number: 8110-03311  Actual Weight and Balance complied with.	
By DER: Michael T. Cox Designation Number: DERT-710057-SW Dated: 06-20-2003 8110-3 Serial Number: 8110-03311  Actual Weight and Balance complied with.	
By DER: Michael T. Cox Designation Number: DERT-710057-SW Dated: 06-20-2003 8110-3 Serial Number: 8110-03311  Actual Weight and Balance complied with.	
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By DER: Michael T. Cox Designation Number: DERT-710057-SW Dated: 06-20-2003 8110-3 Serial Number: 8110-03311  Actual Weight and Balance complied with.	

US Department
of Transportation
<b>Federal Aviation</b>
Administration

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

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

INSTRUCT	TIONS: Pri	nt or type all er	tries. See Title 14	CFR	§43.9, Part 4	3 Appendi	x B, and	AC 43.	9-1 (or su	bsequent revision thereof)		
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		ity and Registra	ion Mark			Serial	Vo.					
1. Aircraft		63BH										
······································	Make					Model	·	51345		Series		
	Ве							L-3				
	Name (A	ls shown on reg	stration certificate)			Addres	s (As sho	оуд од г	egistration	certificate) ine Thruway		
2. Owner	DII	т т							angel	ine Thruway		
	l rn	I, Inc.				1	Lafay	<u>ette</u> 8-2156		State <u>LA</u> ntry USA		
				3.	. For FAA Use	Zip Only	7030	3 2130	Cou	ntry USA		
4. Тур	e			5.	Unit Identific	ation						
Repair	Alteration	Unit	M	lake				lodel		Control N		
		AIRFRAME				(As de	scribed in		above)	Serial No.		
9		POWERPLAN	Rolls R	OV	yee 250 C-30P				 P	CAE-895384 CAT-90554		
		PROPELLER						<u> </u>		WAY 16537		
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dress 2070 Lo	gan Ave.	ace inc.			U. S. Certifica		-			ufacturer		
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<ul><li>D. I certify the have been furnished</li></ul>	nat the repa n made in a herein is tr	air and/or alterat accordance with ue and correct to	on made to the unit the requirements of the best of my know	t(s) ic Part wled	dentified in ite				n the reve s and tha	erse or attachments hereto t the information		
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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.

				N 3631	BH	10	)-1-10
				Nationality and	d Registration	n Mark	Date
E <b>F. W/O #</b> '051	EXHAUST CO 250-C30	LLECTOR	P/N#	23032325	S/N#	23776	
<b>TSO:</b> 0	TSN:	UNK		CYCLES:	UNK		
ITEM	1 O/H INSPECT 2 PLASMA SPR IAW RR250 C: & PRPL 2-D00 AFT. PILOT D AFT. FLANGE NOZZLE MOU FORWARD PI MOUNTING F BEARING BOI 3 WELD REPAIF O/H/M 2ND ED 4 REPLACED FI 5 NDT IAW PRF 5 COMPLIED W 6 WELD CIRCLI 7 GLASS BEAD 250 C30 14W3 8 FINAL INSPECT	AY REPAIRED 30 14W3 O/H/ 8: IAMETER INT FACE LOT EET RE SEAL BOR RED CRACKS D REV.15 LOWSPLITTE PL 1-8 ITH CEB 72-3 P IAW PRPL 2 BLAST FOR A 3 O/H/M 2ND E	E & SHO IAW RR2 R BRACKI 210 & PMI 2-D008 & F APPEARAI	MACHINED THE REV.15  ULDER 50 C30 14W3  ET IAW CEB 72  D0002 REV.1  PRPL 1-4  NCE IAW	HE FOLLO		
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JN 0 <b>3 2009</b> DATE:		SIGNATUR	RE:	CHELL		CAI 09 STAMP	

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٠.	Nationa	lity and Registrat	ion Mark		-		Serial N	0.			<del></del>
1. Aircraft		V233P	H				4	1529			•
- · ·	iviake	Bell	/ , 				Model	066			Series L-3+
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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.

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EF. W/O # 0503		EXHAUST 250-C30	COLLECTOR	P/N#	23033111	S/N#	24517		
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Additional Sheets Are Attached

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JS Dep	artment
of Trans	portation

Federal Aviation

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

orm Approved	Electronic Tracking Number
OMB No. 2120-0020	
11/30/2007	
f	or FAA Use Only

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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.

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

N 236PH

10/2/16

Nationality and Registration Mark

Date

# STRUCTURAL REPAIRS

Part Nomenclature: Exhaust Duct P/N: 206-964-300-005

Structural repairs made according to PHI, Inc. Engineering Department Repair Specification Document Number PHI-050-RS-0001, Revision IR, Dated 06-25-2011.

Structural aspects approval received for these repairs according to data approved on FAA Form 8110-3 by DBR Louis Bellot, Designation Number DERT-750020-SW, Mated August 7, 2011.

Powerplant aspects approval received for these repairs according to data approved on FAA Form 8110-3 by DER Bruce S. Kent, Designation Number DERT-605286-NM, Dated 08-30-2011.

Weight and Balance Negligible.

-END

6
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
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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.

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N3116L

12-27-10

Nationality and Registration Mark

Date

# STRUCTURAL REPAIRS

Part Nomenclature:	Exhaust Stack	P/N:	206-064-300-005

Structural repairs made according to Petroleum Helicopters, Inc. Engineering Department Process Specification Document Number PHI-905-SS-001 Revision 1, dated 5/17/05.

Approval received for these repairs according to data approved on FAA Form 8110-3 by DER Louis Bellot, Designation Number DERT-750020-SW, dated July 5,2005, serial number LEB 05-075

Weight And Balance Negligible.

Additional Sheets Are Attached

2
US Department of Transportation
Foderal Aviation

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

Form Approved
OMB No. 2120-0020
For FAA Use Only
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision th

101 04011 301	tion of this form. This report is requ ch violation (Section 901 Federal A	viation Act of 1958).				
	Make		Model			
1. Aircraft	Bell		206L-			
	Serial No.			and Registration Mar	k	
	51529		N3116			
	Name (As shown on registration	·		s shown on registratio		
2. Owner	CIT Leasing Corporation		1211 A	venue of the Ame	ericas Fl 21	
			New Yo	ork, NY 10036-81	701	
		3. For FAA Use C	)nly			
desc	identified herein complies wi cribed aircraft subject to confo = 5/5/99	rmity inspection by a $pe$	ess requirer rson author	ized in FAR 43, Sec	ved for the all tion 43.7. TR-FSDO	bove
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		7. Approval for Return To	Service	4 536/		
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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

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

Installed external transporter tube according to PHI Drawing PHI206L1-532 Sheets 1 through 7.

Installation previously approved on 337 dated 10-16-98 on A/C N31801.

Flight manual supplement as required by FAR133.47 completed and carried in Rotorcraft Flight Manual.

Weight and balance amended as necessary.

N3116L S/N 51529 MODEL 206L-3

### **INSTRUCTIONS FOR CONTINUED AIRWORTHINESS**

This instruction for continued airworthiness gives the data that is needed to fulfill the requirements of CFR parts 23, 25, 27, 29, 33, or 35, sections 23.1529, 25.1529, 27.1529, 29.1529, 31.82, 33.4, or 35.4 as applicable.

#### **ITEM NAME**

#### **EXTERNAL CARGO TRANSPORTER TUBE**

#### 1) INTRODUCTION:

Installed external transporter tube made of PVC pipe attaching to the landing gear cross tubes and AFT jack point to carry radio antennas and other long objects.

### 2) DESCRIPTION:

The transporter tube is a 3" PVC pipe  $181 \frac{1}{2}$ " long mounted to the cross tube support with a stainless steel clamping arrangement on the left side of the aircraft. It has a removal cap on the AFT end to facilitate loading. The cap is safetified by a cable and safety pin. Total weight is 13.8 pounds.

## 3) CONTROL, OPERATION INFORMATION:

Remove cap on AFT end of tube to load or unload as required. Secure cap and safety with safety pin.

### 4) SERVICING INFORMATION:

N/A

## 5) MAINTENANCE INSTRUCTIONS:

Inspect for security, corrosion and general condition of the tube and attaching parts in accordance with Petroleum Helicopters, Inc Maintenance Program or FAA Annual.

### 6) TROUBLE SHOOTING INFORMATION:

N/A

# 7) REMOVAL AND REPLACEMENT INFORMATION:

Install and remove in accordance with PHI Drawing PHI 206L1-532.

#### 8) DIAGRAMS:

N/A

## 9) SPECIAL INSPECTION REQUIREMENTS:

N/A

# 10) APPLICATION OF PROTECTIVE TREATMENTS:

None

### 11) DATA:

PHI Drawing 206L1-532

## 12) LIST OF SPECIAL TOOLS:

None

# 337 ATTACHMENT SHEET DATED 2.17.200 N3116L S/N 51529 MODEL 206L-3

### 13) FOR COMMUTER CATEGORY AIRCRAFT:

A. Electrical loads

N/A

B. Methods balancing flight controls.

N/A

C. Identification of primary and secondary structures

N/A

D. Special repair methods applicable to the airplane

N/A

# 14) RECOMMENDED OVERHAUL PERIODS:

No additional overhaul time limitations.

## 15) AIRWORTHINESS LIMITATION SECTION:

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None

### 16) REVISION:

A letter will be submitted to the local FSDO with a copy of the revised FAA form 337 and revised ICA. The FAA inspector accepts the change by signing Block 3.

END

US Department of Transportation
Federal Aviation Administration

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

Form A	۱ppr	ove	t
OMB	No.	2120	0-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

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	-	, LA 70509	)			X	Certificated Rep	air Station		1, 2, and 3 - CRS No. HEER617E			
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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, Identif	/ with aircraft nationality and re	egistration mark and date work completer	d.)

### **External Oil Filters**

Removed engine external oil filter, associated lines, and hardware previously installed according to FAA Form 337 dated 19 Dec 1991.

Installed filter assembly, P/N 1740001, by Facet Filter Products Division according to Petroleum Helicopters, Inc., Drawing Number 206L-431.

This filter assembly is the same unit installed on 206 Series aircraft according to STC SH200GL.

For maintenance instructions concerning this installations, see Petroleum Helicopters, Inc., FAA Approved FAR 135 Maintenance Manual.

Decal required on forward side of aft firewall, PHI-105D-58.

Weight and halance amended accordingly

- A. Inspect red button on bottom of bowl for indication of filter bypass.
- B. If red button is not showing proceed with preflight.
- C. Red button showing, reset button once and run engine.
- D. If red button reappears, discontinue operations and investigate reason for filter bypass indication.

	<b>END</b>	 	
Weight and Dalance afficiace according	6-7 ·		

# US Department of Transportation

Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instruand disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed for each such violation (Section 901 Federal Aviation Act of 1958).	ctions \$1,000
Table ( Table ) To delia Aviation Act of 1936).	

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	Name (As sho	wn on registration ce	rtificate	)		s shown on re	nistration	certificate)	<del></del>
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	described airci	aft subject to confi	omnih ur al-l-	· increation h	mess requi	emenis and	is appro	ved for the	above
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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.)

Installed Northern Airborne Technologies, Inc. External Public Address System Model AA20-30 according to Drawing Number PHI 206L-12567, Rev. C, Option 4.

The control is mounted at sta. 42 in the slant panel. Power is taken from the main bus and the system is protected by a MS 26574-3 circuit breaker.

The speaker is installed on the forward crosstube, aimed in the aft direction at sta. 73 in accordance with Petroleum Helicopters, Inc. Drawing Number 313-RI-206L.

Installation was made to withstand loads as per Advisory Circular AC 43.13-2A, Chapter 1, paragraph 2.

Battery and generator are sufficient for electrical load according to AC 43.13-2A, paragraph 27d, Chapter 2.

Wiring was installed in a suitable manner for protection against fuel, oil, water and other detrimental substances and abrasion damage, AC 43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables supported by insulated caps to prevent chafing according to AC 43.13-1A, Chapter 11, Section 7, paragraph 518.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, chapter 2, paragraphs 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC 43.13-2A, Chapter 2, paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13- 2A, chapter 1, paragraph 8.

Compass corrected as required.

Weight and balance amended as required.

ENT

### DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau	d u No.	04- <b>Ŗ</b> 060.1

FOR FAA USE ONLY OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof)

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

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

BELL 2061-3 N997PT 7-11-90 TOTAL TIME: 36.6

INSTALLED FACET EXTERNAL OIL FILTER KIT NO. 1741140 IN ACCORDANCE WITH FACET ENTERPRISES, INC. STC NO. SH200GL. REVISED WEIGHT AND BALANCE AND EQUIPMENT LIST TO INCLUDE INSTALLATION.

END



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

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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.)

Installed fire extinguisher on aft side of vertical tunnel, fuselage station 83. See PHI drawing number PHI 360-206L, sheet 1.

Fire extinguisher and bracket is mounted with existing aircraft vertical tunnel bolts and made to withstand loads as per AC 43.13-2A Chapter 1, Paragraph 2 Table of Limits.

Materials and fastemers used conform to AC 43.13-2A, Chapter 1, paragraphs 4 and 6.

Adequate means of inspection are provided for rack, related parts, equipment and adjacent components according to AC 43.13-2A Chapter 1, paragraph 8.

Weight & balance amended as required and equipment list amended according to AC 43.13-2A, Chapter 1, paragraph 9. Total weight 4

----END----

# NOT INSTALLED



US.Department of Transportation Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

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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.

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U.S. Department of Transportation
Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequents

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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.

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US Department
of Transportation
Federal Aviation

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

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only

Administration 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)) Serial No. Nationality and Registration Mark 51529 N3116L 1. Aircraft Series Model Make Bell 206 L-3 Address (As shown on registration certificate) Name (As shown on registration certificate) Address 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafayette State <u>LA</u> 70508-2156 Country USA 3. For FAA Use Only 5. Unit Identification 4. Type Serial No. Alteration Unit Make Model Repair (As described in Item 1 above)  $\square$ **AIRFRAME POWERPLANT PROPELLER** Туре **APPLIANCE** П Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency Manufacturer U. S. Certificated Mechanic PHI, Inc. Address P. O. Box 90808 Foreign Certificated Mechanic C. Certificate No. Lafayette State LA Certificated Repair Station City HEER617E USA 70509-0808 Country Certificated Maintenance Organization Zip 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 App. B 7. Approval for Return to Service inspected in the manner prescribed by the Pursuant to the authority given persons specified below, the unit identified in item 5 was Administrator of the Federal Aviation Administration and is ✓ Approved Rejected Persons Approved by Canadian FAA Fit. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization **FAA Designee** Repair Station Certificate or Signature/Date of Authorized Individual Designation No. Villiam D. Bmith HEER617E 7-5-09

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.

		N3116L	7-05-09
		Nationality and Registration Mark	Date
	Floor Prote	ctor STC Installation	
Installed crew floor protectors in a number AA-92067, Revision D, da	ccordance with Aero	onautical Accessories, Inc. STC SH328	9SO installation repor
Weight and balance amended .			
		END	

US Department of Transportation
Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions
and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000
for each such violation (Section 901 Federal Aviation Act of 1958).

for each s	uch violation (Sectio	n 901 Federal Aviat	ion Act	of 1958).		port carries are mark	•	-	· · ·	
·	Make Bell			(	Model	206L-3			,	
1. Aircraft	Serial No. 51345			Nationality and Registration Mark N363BH						
2. Qwner	Name (As shown Petro	on registration ce Leum Helicopt	rtificate ters,	Address (As shown on registration certificate)						
			A Adm	3. For FAA Use		the applicable	•			
		airwollimes re aircraft, subject in FAR Part 45,	to con	formity inspect	oved for t	be above described	1			
	NA	1-1500-B3	UN 2	0 1997	sevand	12.000	,			
		District Office	Date	Signatur  4. Unit identifica	<del></del>	nepector /		5. Type		
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Unit	Ma	ake		Model		Serial No.		Repair	Alteration	
AIRFRAME	•••••		As desc	ribed in Item 1 ab	ove)				xxx	
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APPLIANCE	Туре									
	Manufacturer			·				<u> </u>		
			6	. Conformity Stat	ement					
A. Agency's	Name and Address			B. Kind of Agen	<del>-</del>			ficate No.		
	Methods Corp							QMQR589L R1, R2, R3, LA		
	1 S. Peoria S			XX Certificated F	LI, & LSS					
Eng	lewood, CO 80	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Manufacturer						
have b	y that the repair and/o een made in accorda eed herein is true and	ince with the requir	ements	of Part 43 of the I	em 4 above J.S. Federa	and described on the Aviation Regulation	ne reverse ons and th	or attachme nat the inform	nts hereto nation	
Date				Signature of Aut	horized Ind	lividual /	///			
	June 24, 9	ラフ		Dale A. So	cheid /	Vallele				
			7. Ap	proval for Return	To Service		/			
Pursuant Administra	to the authority give	en persons specifie viation Administrat	d below	v, the unit identifis	ied in item 'ED	4 was inspected in	the man	ner prescrib	ed by the	
F	AA FIt. Standards aspector	Manufacturer		Inspection Author	ization	Other (Specify)				
BY F	AA Designee XX	Repair Station		Person Approved Canada Airworthi		rt				
	roval o <del>c Rejecti</del> on	Certificate or Designation No.		Signature of Aut	horized Ind	ividual /////	//			
Tue	24, 97	QMQR589L		Dale A. So	heid	Willey				

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alternations 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 datework completed)

AIRCRAFT TOTAL TIME 5953.0 HOURS S/N 51345 N363BH BELL MODEL 206L-3 FM FLEXCOMM I (C-5000 AND DUAL RT-138) SYSTEM PROVISIONS

Installed Global Wulfsberg Model C-5000 FM Communications Management Controller, P/N 31300-0301-0111; and wiring provisions for Dual RT-138(F) FM P/N 400-014525-00, systems.

In the existing aircraft pedestal, using existing Dzus rail mounting (Refer to FAA form 337 dated 4/22/97 and STC SH8859SW), mounted the C-5000 at STA 38, WL 28, BL 0. R/T provisions were previously installed (Refer to FAA Form 337 dated 6/5/97) with FM 1 at STA 23, WL 35, and LBL 14.5; and FM 2 at STA 23, WL 35, and LBL 9.5. Both FM antennas were also previously installed. (Tail Boom antenna per FAA Form 337 Dated 6/5/97, forward antenna per FAA Form 337 dated 4/22/97.)

The C-5000 control head is confident and maximum acting a single M22759/16-20-9 wire and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and a MS26574-5 circuit bigaker to the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the confident and the conf using a single M22759/16-20-9 wire and a MS26574-5 circuit breaker labeled *FM* 2700 All currouit on a least in existing holes in the overhead circuit breaker panel. Read of FAA Inspector olaG. District Office

Installed wiring using M22759/16-(gauge)-9 or M27500-xTGxT14, of the gauge and conductor configurations described in Alr Methods drawings and Manufactures Installation instructions.

All above work performed IAW Air Methods Drawing 113-5043, Rev -; C-5000 FM Communications Management Controller installation Manual, 150-1350-000, Rev 2, dated June 1/97; and A.C. 43.13-1A Chapter 2 section 3 para 97, 99, 100; Chapter 5 Sec 1 para 228, 230, 231, 232, 233; Chapter 6 para 247, 248, 249; Chapter 11, section 1 para 406-412, section 2 para 424-430, section 3 para 442-452, section 4 para 464-466; section 5 para 478-484, section 7 para 514-520; Chapter 13 para 656-665; Chapter 15 section 1 para 747-754, section 2 para 766-770, section 3 para 783-786, section 5 para 820, 821.

The additional electrical load was calculated to be 7.2 Amp. The total connected electrical load was found not to exceed generator load limitations IAW A.C. 43.13-1A Chapter 11 section 2. (Refer to Air Methods Corp AMTD 040-0839.)

This system found not to interfere with other existing onboard equipment.

Aircraft weighed with the C-5000 installed and both R/T's removed, amended weight & balance and equipment list.

After system testing, all three FM circuit breakers were tripped and tie wrapped open. Wiring for both FM R/T's was secured to R/T mounting racks.

To install the systems, complete the following:

- 1. Install the R/T's in to the racks.
- 2. Remove the tie wraps from circuit breakers and close.
- 3. Program the C-5000 as required.
- 4. Test systems to insure function and no interference with other existing onboard equipment.
- 5. Complete log book entry to show installed R/T's.
- 6. Amend aircraft weight & balance and equipment list to show the installed R/T's.

Details on file under Air Methods Avionics Work Order A3166.	
•••••	END

П	Additional	Sheets	Are	Attached
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US Department
of Transportation
Federal Aviation
Administration

	Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number								
For FAA Use Only										
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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.

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		Nationality and Registration Mark	Dale
	FOLDING MAINTE	NANCE STEP ASSEMBLY	
Installed Folding Ma SH2243SO and Insta	nintenance Step Assembly in ac Allation Instructions Report Num	ecordance with Bell Helicopter Teamber AA-87034, Revision L, dated	ctron, Inc. STC I April 14, 2005.
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Actual weight and ba	alance complied with		
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5 (F. 1811)	<u> </u>	Sheets Are Attached	

# US Department of Transportation Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

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		Make	Bell H	lelicopters		· · · · · · · · · · · · · · · · · · ·	Model	206L-3				
1. Air	craft	Serial No.	51529	)		Nationality and Registration Mark N3116L						
2. Ow	ner	Name (As	shown	on registration certifi easing Company,			stration certific he America 10036-8701	s F121				
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						4. Unit Identification			<del></del>	5. Type		
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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.)

# Structural Repairs

Part Nomenclature:

FWD. LOWER SHELL ASSY

P/N:

*206-033-100-291* 

206L-3 <u>S/N 51529 ACFT. T.T. 9969:00</u>

Structural repairs made according to the Manufacturer's Helicopters Structural Repair Manual, except the size of some repairs exceeded the limits as specified in the manual.

Approval received for these repairs according to data approved on Form AE-100-1 by DER A. Gendron Designation Number DB022. Dated 10-27-99, Serial Number A8585. For Field Repair Number 99RL-112.

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### **MAJOR REPAIR AND ALTERATION**

Form Approved OMB No. 2120-0020 2/28/2011 For FAA Use Only

•									2/28/2011		
US Department of Transportation Federal	(Ai	rframe, Po	wei	plant, Pro	pe	ller	r, or Applia	nce)		F	For FAA Use Only
Aviation Administration											
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1. Aircraft	Make			odel		Se	eries				
	Bell							206			L-3
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4. Ty	ре						5. Unit lo	dentificatio	n		
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have be	en made in		th the	requirements	s of F	art 4	43 of the U.S. Fo				erse or attachments hereto that the information
Extended ra per 14 CFR App. B			Sig	nature/Date o	of Au	ithori	ized Individual				
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BY	FAA Flt.	Standards or		Manufacture	er		Maintenance			F	Persons Approved by Canadian Department of Transport
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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 airc	craft nationality and registration mark and date work c	ompleted.)
	N3116L	05/09/2012
	Nationality and Registration Mark	Date
NOMENCLATURE: FORWARD SHELL ORIGINAL PART NUMBER: 206-033-100-29 ⁻⁷ SERIAL NUMBER: BP000007 WORK ORDER NUMBER: W176946AA	1	
OVERHAULED PANEL MENTIONED ABOY TEXTRON, INC. FAA APPROVED OVER REVISION A, DATED 10/10/00.		
EN	D	**
☐ Additiona	al Sheets are Attached	

#### US Department of Transportation Federal Aviation Administration

FAA Form 337 (12-88)

# MAJOR PAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

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Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This form is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each such	violation (Sect	ion 9	01 Federal Aviation A	ct of 19	958).		, roport dan	. ooak iii a oivii pe	many not to ex	ισεεα ψ1,0		
	Make						Model					
1. Aircraft Bell Helicopter						•		206L-3				
i. All Clait	Serial No.					Nationality and Registration Mark						
		51.	529				3701	1.00				
2. Owner	Name (As shown on registration certificate)							N3116L Address (As shown on registration certificate) 1211 Avenue of the Americas F1 21				
CIT Leasing Corporation					New York, NY 10							
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Lafayette, La	. 70507				v	<del> </del>			Accessories Limited			
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have been m	nade in accorda	ance	with the requirements	s of Par	t 43	of the U.S. Feder	al Aviation F	Regulations and t	rse or attachm hat the informa	ients neret ation	0	
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	Weight and balance or operating limitatio nanges shall be entered in the appropriate air record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.
Γ	8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)
	Nomenclature: Forward Shell

8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with	aircraft nationality and registration mark and date work cor	npleted.)						
8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)  Nomenclature: Forward Shell Original Part Number: 206-033-100-261 Upgraded Part Number: 206-033-100-291 Serial Number: BP0000165 Work Order Number: J0172663								
OVERHAULED PANEL MENTIONED ABOVE IN ACADIAN COMPOSITES, L.L.C. FAA APPROV /00, REVISION A AND UPGRADED IN ACCORDA REVISION D.								
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U.S. Department of Transportation
Federal Aviation Administration

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

	Form Approved
	OMB No. 2120-0020
ļ	For FAA Use Only
1	Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

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Make Bell  1. Aircraft					Model	206L-3						
7. AI	rcratt	Serial No.	513	45		<del></del>	Nationality and Registration Mark N363BH					
	<del></del>	Name (As sh	own	on registration cer	tificate	)		Address	(As shown on reg	istration c	ertificate)	
2. 0	wner		P	etroleum Helic	opter	s, Ir	nc		113 Born	nan Driv	ve	
									Lafayette			
						3. 1	For FAA Use O	ıly				
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						4. l	Unit Identificati	on /			5. Type	
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Lä	nayette,	LA 70509	<del></del>			Manufacturer				1, 2, and		LLK017L
	have beer	n made in acco	ordar	ralteration made to nce with the require correct to the best	ements	of Pa	art 43 of the U.S	n 4 above a S. Federal	and described on t Aviation Regulation	he reverse ons and th	or attachmen at the inform	nts hereto ation
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					7. Ap	prov	al for Return To	Service				
Pur Adı	rsuant to	the authority r of the Federa	giver al Avi	n persons specified iation Administration	belov	v, the	e unit identified  XAPPROVE		was inspected in	n the man	ner prescribe	ed by the
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J ,	FAA	Designee	x	Repair Station		Can	son Approved by ada Airworthine	ss Group				
Date	of Approv	al or Rejection		Certificate or Designation No.		Sigr	nature of Autho	_				
1-4-95 HEER617E						John Other						

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.)

# INSTALLED THE FOLLOWING EQUIPMENT

System	Station	Drawing Number	Circuit Breaker (amp.)	
1. Garmin 150 GPS	41.98	PHI-206L-12389	3	

Installation made to withstand loads as per FAA advisory circular AC 43.13-2A, Chapter 1, paragraph 2.

Battery and generator are sufficient for electrical load according to AC 43.13-2A, paragraph 27d, Chapter 2.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC 43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC 43.13-1A, Chapter 11, section 7, paragraph 518.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, Chapter 2, paragraph 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC 43.13-2A, Chapter 2, paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, Chapter 1, paragraph 8.

Antenna installation located and installed similar to AC 43.13-2A, Chapter 3, paragraph 36a, and b. Antenna located at fuselage station 78 on servo cowl.

Installation of GPS meets requirements of AC 20.138, paragraph 7. GPS is a stand alone unit and for VFR use only.

# Placard "GPS Limited to VFR use only"

A flight check was made on 34 7, 1996 to assure that the accuracy requirements of AC 20.138, paragraph 6 were met during flight. YES { } NOT APPLICABLE

The installation of the GPS has been previously installed and approved under STC SA00066WI on Beech Aircraft Model V-35B.

The installation and accuracy of this GPS has been approved on Bell 206L-3, N81671, Serial Number 51301, FAA Form 337 dated 9-20-95.

Compass corrected as required. Weight and balance amended as required.

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US Departme	ant
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Administrati	on

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
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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	Accomp	plished
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(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N363BH

Nationality and Registration Mark

Nationality and Registration Mark

#### Garmin GDL 69/69A XM Satellite Datalink Interfaced to GNC420W GPS

- 1. No equipment removed for this installation.
- 2. Installed a Garmin GDL69/69A XM Satellite Datalink interfaced to a Garmin GNC-420W GPS in accordance with PHI-206L-13122, Revision B, and PHI Picture & Sketch PHI-206L-PS-0113, Rev. IR.
- 3. Installed the following Avionics components:

onics Shelf 5 Amp onics Shelf N/A Nose N/A
vi

- All Avionics circuit breakers are located in the aircraft manufacturer's supplied panels and are appropriately labeled. All wire used is MIL-W-22759 and MIL-W-27500 interconnect wire.
- 5. These components were previously installed on a Piper PA-32-260 in accordance with STC SA01487SE.
- 6. The installation of the Satellite Weather is interfaced to the Garmin GPS for display and are in accordance with the manufacturer's installation instructions as follows:

<u>MFG</u>	<u>Type</u>	Installation Manual Number	Revision
Garmin	GDL 69 Satellite Weather	190-00355-02	J
Garmin	GPS 400 Series	190-00356-30	H

7. All work accomplished in accordance with:

		•	
A.C. 43.13-1B	CHAPTER 11	SECTION 3-6	Electrical loading and protection.
	CHAPTER 11	SECTION 8-17	Wire routing, marking and connecting.
	CHAPTER 10	SECTION 1-2	Weight and balance considerations.
A.C. 43.13-2B	CHAPTER 1	PARA 106 - 111	Structural mounting data.
	CHAPTER 2	PARA 202 - 206	Equipment physical mounting techniques.
	CHAPTER 3	PARA 305 - 310	Antenna physical mounting techniques.
PHI ESM-1	CHAPTER 1		Helicopter Electrical Specification and
	THRU 12		Standard Practices Manual

8. Work performed meets the requirements of Rotorcraft Airworthiness Standards for 14 CFR Part 27 of the following paragraphs:

27.1301	Equipment installed performs its intended function
27.1309(c)	Equipment installed is not a hazard in the event of a malfunction
27.1321	Arrangement and visibility
27.1351	Electrical loads does not exceed generator capacity
27.1357	Circuit device protection
27.1365	Electric cable type and load
27.1547	Compass system tested and corrected
27.1581(b)	Flight Manual Supplement provided if required

- 9. Equipment list updated to reflect installation of this system.
- 10. Actual weight and balance complied with.

- 11. Compass system tested and corrected.
- 12. Electrical load does not exceed 80% generator output.
- 13. Pilot's Guide addendum number 190-00356-30, Revision H, or later approved revision is required for this installation and must be carried on board when operating the Garmin GDL 69 XM Satellite Weather Datalink.
- 14. Installation checkout testing procedures are to be performed in accordance with Garmin 400/500 series Optional Displays Pilot's guide addendum, number 190-00356-30, Rev. H. For additional installation details see PHI Electrical Diagram no. PHI-206L-13122, Revision B, and PHI Picture & Sketch PHI-206L-PS-0113, Rev. IR.
- 15. Instructions for continued airworthiness PHI-915-206L-ICA-0020, Rev. IR, dated January 9, 2013 are attached.

US Department
of Transportation
Federal Aviation
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## MAJOR REPAIR AND ALTERATION

OMB No. 2120-0020 11/30/2007	Electron		umber	-

(Airframe, Powerplant, Propeller, or Appliance) 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)) Serial No. Nationality and Registration Mark 51345 N363BH 1. Aircraft Model Series Make Bell 206 L-3 Address (As shown on registration certificate) Name (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner State LA Lafavette Country USA 70508-2156 3. For FAA Use Only "The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in § 43.7" AP( /3 _____ FAA Inspector: < _____ SW-BTR-FSDO 5. Unit Identification 4. Type Make Model Serial No. Repair Alteration Unit (As described in Item 1 above) AIRFRAME  $\Box$ POWERPLANT PROPELLER Type APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U. S. Certificated Mechanic Manufacturer PHI, Inc. Foreign Certificated Mechanic C. Certificate No. Address P. O. Box 90808 Lafayette State <u>LA</u> Certificated Repair Station City HEER617E 70509-0808 country USA Certificated Maintenance Organization Ζlρ 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 Арр. В 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 Persons Approved by Canadian FAA Fit. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify)

Inspection Authorization

FAA Form 337 (10-06)

Certificate or

Designation No.

FAA Designee

HEER617E

Repair Station

Signature/Date of Authorized Individual

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

N363BH 8/05/2013

Nationality and Registration Mark Date

#### Garmin GNC 420W System Interfaced with L-3 Comm SKY497 Skywatch and KCS 55A Compass System

- 1. Removed Trimble TNL2101 GPS system for this installation.
- Installed a Garmin GNC 420W GPS interfaced to an L-3 Communications SKY497 Skywatch in accordance with PHI Electrical Diagrams. PHI-206L-12908, Rev. C, Dated 26Mar2012, PHI-206L-13191, Rev. IR, Dated 20Mar2013 and PHI Picture & Sketch PHI-206L-PS-0104, Rev. IR, Dated 26May2009.
- 3. Installed the following Avionics components:

<b>MFG</b>	Type	Description	Station/Location	Circuit Breaker
Garmin	<b>GNC 420W</b>	GNC NAV/VHF/GPS	41.00/Center console	5 Amp
Garmin	GA-56	GPS Antenna	85.25/Servo Cowling	N/A
Comant	CI121	VHF Antenna	65.00/Servo Cowling	N/A
King	K1525A	HSI	39.00 / Inst Panel	N/A

- All Avionics circuit breakers are located in the aircraft manufacturer's supplied panels and are appropriately labeled. All wire used is MIL-W-22759 and MIL-W-27500 interconnect wire.
- These components were previously installed on a PA-32 in accordance with STC SA00705WI.
- 6. These avionics installations are in accordance with the manufacturer's installation instructions as follows:

<u>MFG</u>	<u>Type</u>	Installation Manual Number	Revision
Garmin	400W Series	190-00356-02	G
L-3 Communications	SKY497	009-10800-001	G
Allied Signal	KCS 55A Compass System	006-00111-0011	11

7. All work accomplished in accordance with:

A.C. 43.13-1B	CHAPTER 11	SECTION 3-6	Electrical loading and protection.
	CHAPTER 11	SECTION 8-17	Wire routing, marking and connecting.
	CHAPTER 10	SECTION 1-2	Weight and balance considerations.
A.C. 43.13-2B	CHAPTER 1	PARA 106 - 111	Structural mounting data.
	CHAPTER 2	PARA 202 - 206	Equipment physical mounting techniques.
•	CHAPTER 3	PARA 305 - 310	Antenna physical mounting techniques.
PHI ESM-I	CHAPTER 1		Helicopter Electrical Specification and
	THRU 12	•	Standard Practices Manual

8. Work performed meets the requirements of Rotorcraft Airworthiness Standards for 14 CFR Part 27 of the following paragraphs:

27.1301	Equipment installed performs its intended function
27.1309(c)	Equipment installed is not a hazard in the event of a malfunction
27.1321	Arrangement and visibility
27.1351	Electrical loads does not exceed generator capacity
27.1357	Circuit device protection
27.1365	Electric cable type and load
27.1547	Compass system tested and corrected
27.1581(b)	Flight Manual Supplement provided if required

- 9. Equipment list updated to reflect installation of this system.
- 10. Actual weight and balance complied with,

7	Additional	014-	A	8 44L
- V	i Additional	Sneets	Are	Attache

- 11. Compass system tested and corrected.
- 12. Electrical load does not exceed 80% generator capacity.
- 13. Installation of GPS meets requirements of AC20.138, paragraph 7. GPS is interfaced to a KI-525A HSI and is for VFR use only. A placard is installed on the instrument panel in clear view of the Pilot which states "GPS limited to VFR use only."
- 14. An approved flight manual supplement No. PHI-959-206L3GNC420W-001 Revision 2 dated 3 PPC /3 or later revision is required for this installation and must be carried on board when operating the Garmin GNC 420W interfaced with the B.F. Goodrich Skywatch system.
- 15. Flight check was made on 8-17-13 to assure that the accuracy requirements of AC20.138, paragraph 6 were met during flight (X) YES () NOT APPLICABLE.
- 16. Installation checkout, ground and flight tests are to be performed in accordance with Garmin GNC-420 Pilot's guide and Garmin 400 series Pilot's guide addendum. For additional installation details see PHI Electrical Diagram no. PHI-206L-12908, Revision C, PHI-206L-13191, Rev. IR, and PHI Picture & Sketch PHI-206L-PS-0104, Rev. IR.
- 17. Instructions for continued airworthiness PHI-915-206L-ICA-0018, Revision 3, dated March 21, 2013 are attached.

6
US Department
of Transportation
Federal Aviation
Administration

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

Form Approved	Electronic Tracking Number
OMB No. 2120-0020	
11/30/2007	
F	or 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)) Nationality and Registration Mark Serial No. 51529 N3116L 1. Aircraft Model Series Make Bell 206 Address (As shown on registration certificate) Name (As shown on registration certificate) Address 2001 SE Evangeline Thruway PHI, Inc. 2. Owner State LA Lafayette 70508-2156 Country USA 3. For FAA Use Only "The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by apperson authorized in § 43.7" FAA Inspector: SW-BTR-FSDO 5. Unit Identification 4. Type Serial No. Repair Alteration Unit Make Model (As described in Item 1 above) AIRFRAME **V POWERPLANT PROPELLER** Type **APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency PHI, Inc. U. S. Certificated Mechanic Manufacturer C. Certificate No. Address P. O. Box 90808 Foreign Certificated Mechanic Lafayette City State LA Certificated Repair Station HEER617E USA Certificated Maintenance Organization 70509-0808 Zip 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 Арр. В AARON 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 Rejected Administrator of the Federal Aviation Administration and is ✓ Approved Persons Approved by Canadian FAA Flt. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization FAA Designee Х Repair Station Signature/Date of Authorized Individual Certificate or Designation No. AARON W BEGNAND 1-12-12 HEER617E

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	Accom	plished

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

N3116L 7/2-12

Nationality and Registration Mark

Date

#### Garmin GNC 420W System Interfaced with L-3 Comm SKY497 Skywatch and KCS 55A Compass System

- 1. Removed Garmin GPS 400 system for this installation.
- Installed a Garmin GNC 420W GPS interfaced to a L-3 Communications SKY497 Skywatch in accordance with PHI Electrical Diagrams. PHI-206L-12908, Rev. B, PHI-206L-12763, Rev. B, and PHI Picture & Sketch PHI-206L-PS-0104, Rev. IR.
- 3. Installed the following Avionics components:

<u>MFG</u>	<u>Type</u>	Description	Station/Location	Circuit Breaker
Garmin	GNC 420W	GNC NAV/VHF/GPS	41.00/Center console	5 Amp
Garmin	GA-56	GPS Antenna	85.25/Servo Cowling	N/A
Comant	CI121	VHF Antenna	65.00/Servo Cowling	N/A
King	KI525A	HSI	39.00 / Inst Panel	N/A

- 4. All Avionics circuit breakers are located in the aircraft manufacturer's supplied panels and are appropriately labeled. All wire used is MIL-W-22759 and MIL-W-27500 interconnect wire.
- 5. These components were previously installed on a PA-32 in accordance with STC SA00705WI.
- 6. These avionics installations are in accordance with the manufacturer's installation instructions as follows:

<u>MFG</u>	<u>Type</u>	Installation Manual Number	Revision				
Garmin	400W Series	190-00356-02	G				
L-3 Communications	SKY497	009-10800-001	G				
Allied Signal	KCS 55A Compass System	006-00111-0007	11				

7. All work accomplished in accordance with:

A.C. 43.13-1B	CHAPTER 11	SECTION 3-6	Electrical loading and protection.
	CHAPTER 11	SECTION 8-17	Wire routing, marking and connecting.
	CHAPTER 10	SECTION 1-2	Weight and balance considerations.
A.C. 43.13-2B	CHAPTER 1	PARA 106 - 111	Structural mounting data.
	CHAPTER 2	PARA 202 - 206	Equipment physical mounting techniques.
	CHAPTER 3	PARA 305 - 310	Antenna physical mounting techniques.
PHI ESM-1	CHAPTER 1		Helicopter Electrical Specification and
	THRU 12		Standard Practices Manual

8. Work performed meets the requirements of Rotorcraft Airworthiness Standards for 14 CFR Part 27 of the following paragraphs:

27.1301	Equipment installed performs its intended function
27.1309(c)	Equipment installed is not a hazard in the event of a malfunction
27.1321	Arrangement and visibility
27.1351	Electrical loads does not exceed generator capacity
27.1357	Circuit device protection
27.1365	Electric cable type and load
27.1547	Compass system tested and corrected
27.1581(b)	Flight Manual Supplement provided if required

- 9. Equipment list updated to reflect installation of this system.
- 10. Actual weight and balance complied with.

Additional Sheets Are Attached

- 11. Compass system tested and corrected.
- 12. Electrical load tested and found to be within limits.
- 13. Installation of GPS meets requirements of AC20.138, paragraph 7. GPS is interfaced to a KI-525A HSI and is for VFR use only. A placard is installed on the instrument panel in clear view of the Pilot which states "GPS limited to VFR use only."
- 14. An approved flight manual supplement No. PHI-959-206L3GNC420W-001 Revision 1 dated 2/05 //2 or later revision is required for this installation and must be carried on board when operating the Garmin GNC 420W interfaced with the B.F. Goodrich Skywatch system.
- 15. Flight check was made on 7-24-12 to assure that the accuracy requirements of AC20.138, paragraph 6 were met during flight (X) YES () NOT APPLICABLE.
- Installation checkout, ground and flight tests are to be performed in accordance with Garmin GNC-420 Pilot's guide and Garmin 400 series Pilot's guide addendum. For additional installation details see PHI Electrical Diagram no. PHI-206L-12908, Revision B, PHI-206L-12763, Rev. B, and PHI Picture & Sketch PHI-206L-PS-0104, Rev. IR.
- 17. Instructions for continued airworthiness PHI-915-206L-ICA-0018, Revision IR, dated February 2, 2012 are attached.

MAJOR EPAIR AND ALTERATION

Form Approved OMB No. 2120-0020

US Department	(Ɠrfi	ram	e, Powerplant	t. Pro	opell	er, or App	liance)			For FAA		
of Transportation	•	. 411	,	· ·			•		Office	dentification	n	
Administration					<u> </u>		140 :: -	(=== )		rovision the	of for inst	ructions
and disposition	of this form. Th	his fo	entries. See FAR 4 rm is required by law 1 Federal Aviation A	N (49 L	J.S.C.	Appendix B, ar 1421). Failure t	nd AC 43.9-1 to report can	(or subse- result in a	quent civil p	enalty not to	exceed \$1	,000
	Make		licopters					06L-3				
1. Aircraft	Serial No.	 529					1	13116L				
	Name (As sho	wn c	n registration certific	cate)			Address (As	shown or	regis	tration certific ne America	ate) s F121	
2. Owner	CIT	Lea	asing Company, l	inc.			•			10036-8701		
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					4. Unit	Identification					5. Type	
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	<b>37</b> (12-88)				1//	INVIC	Nazi	wie				

Weight and balance or operating limitation changes shall be entered in the appropriate ail trecord. 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.)

Followed guidelines of FAA Approved Petroleum Helicopters, Inc. Electrical Specification & Standard Practices Manual.

Installed Garmin GPS 400 system interfaced with B.F. Goodrich SKY497 Skywatch system for traffic display in accordance with PHI drawing No. PHI-206L-12762 Option 2 Rev. IR. PHI-206L-12763 Option 2 Rev. IR and PHI Picture and Sketch Book PHI-206L3-PS-0036 Rev. D. Garmin GPS 400 GPS System previously approved on STC. SA00800WI issued to GARMIN International of July 06, 1999. Garmin GNS 430 VHF Transceiver/VOR/ILS Receiver/GPS Receiver with B.F. Goodrich SKY497 Skywatch system previously approved on STC. SA00705WI issued to GARMIN International. On October 29, 1999.

An approved Rotorcraft Flight Manual Sup. No. PHI-959-206L3GPS400-002 Rev. 0 dated **QCT 0 3 2001** or later revision is required for installation and must be carried on board when operating Garmin GPS 400 system that is interfaced with B.F. Goodrich SKY497 Skywatch system.

Garmin GPS 400 Pilot's Guide Part No. 190-00140-60 Rev. B or later version and Pilot's Guide addendum Part No. 190-00140-10 Rev. B or later version Must be on board for operating Garmin GPS 400 system that is interfaced with B.F. Goodrich SKY497 Skywatch system..

Installation made to withstand loads as per FAA advisory circular AC43.13-2A, Chapter 1, paragraph 2.

Electrical load of the revised system does not exceed 80% of total generated output as required by AC43.13-1B, chapter 11, section 3, paragraph 11-36.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC43.13-1B, Chapter 11, section 11, paragraph 11-146.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC43.13-2A, Chapter 2, paragraph 21a and 27e.

Equipment switches and circuit breakers placarded for radio installation as required by AC43.13-2A, Chapter 2, paragraph 27c(4).

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC43.13-2A, Chapter 1, paragraph 8.

Antenna installation located and installed similar to AC43.13-2A, Chapter 3, paragraph 36a, b and 38b. Antenna located at fuselage station 95.00 on the servo cowl.

Installation of GPS meets requirements of AC20.138, paragraph 7. GPS is interfaced to a KI-525A HSI and is for VFR use only. Installed a placard on instrument panel in clear view of the pilot which states, "GPS Limited to VFR Use Only."

Compass corrected as required.

Weight and balance amended as required.

#### INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

This instruction for continued airworthiness gives the data that is needed to fulfill the requirements of CFR parts 23, 25, 27, 29, 33, or 35, sections 23.1529, 25.1529, 27.1529, 29.1529, 31.82, 33.4, or 35.4 as applicable.

#### ITEM NAME Garmin GPS 400

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- 1) INTRODUCTION: Installation of an Garmin GPS 400 interfaced to a King KI-525A HSI indicator installed in a Bell Helicopter Model 206L-3
- 2) DESCRIPTION: System consist of a Garmin GPS 400 Receiver, a GPS Ant. that is mounted on the servo cowling at Sta. 95.00 and the GPS Receiver is interfaced to a King KI-525A HSI indicator.
- 3) CONTROL, OPERATION INFORMATION: See Garmin GPS 400 Pilots' Guide Part No. 190-00140-60 (Rev. B) and Pilot's Guide Addendum Part No. 190-00140-10. Rev. B or later revision.
- 4) SERVICING INFORMATION: N/A
- 5) MAINTENANCE INSTRUCTIONS: N/A
- 6) TROUBLE SHOOTING INFORMATION: See PHI Wiring Diagrams PHI-206L-12762 (Rev. IR) Option 2, PHI-206L-12763 (Rev. IR) Option 2 and PHI-206L-12423 (Rev. IR)
- 7) REMOVAL AND REPLACEMENT INFORMATION: Reference the Garmin GPS 400 Installation Manual (Manual No. 190-00140-02 Rev. H) or later version.
- 8) DIAGRAMS: PHI-206L-12762 (Rev. IR Option 2) Garmin GPS 400 interfaced to a King KI-525A HSI, PHI-206L-12763 (Rev. IR Option 2) SKY497 Skywatch interfaced to Garmin GPS 400 and PHI-206L-12423 (Rev. IR) KCS 55A Compass System.
- 9) SPECIAL INSPECTION REQUIREMENTS: N/A.
- 10) APPLICATION OF PROTECTIVE TREATMENTS: N/A
- 11) DATA: N/A
- 12) LIST OF SPECIAL TOOLS: N/A
- 13) FOR COMMUTER CATEGORY AIRCRAFT: N/A
- 14) RECOMMENDED OVERHAUL PERIODS: N/A
- 15) AIRWORTHINESS LIMITATION SECTION: N/A
- 16) REVISION: A letter will be submitted to the local FSDO with a copy of the revised FAA form 337 and revised ICA. The FAA inspector accepts the change by signing block 3.

<b>②</b>
US Department
of Transportation
Federal Aviation
8-4-4-4-4-44

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

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number	
	or 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)) Serial No. Nationality and Registration Mark 51345 N363BH 1. Aircraft Model Series Make Bell Name (As shown on registration certificate) Address (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner State LA Lafayette Country USA 70508-2156 3. For FAA Use Only "The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in § 43.7" Date: 3 APT 13 FAA Inspector: SW-BTR-FSDO 5. Unit Identification 4. Type Serial No. Alteration Unit Make Model Repair (As described in Item 1 above)  $\checkmark$ AIRFRAME **POWERPLANT PROPELLER** Type APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U. S. Certificated Mechanic Manufacturer PHI, Inc. Foreign Certificated Mechanic C. Certificate No. P. O. Box 90808 Lafayette Slate LA Certificated Repair Station City HEER617E USA Certificated Maintenance Organization 70509-0808 Country Zip 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 88-13 App. B 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 Rejected Administrator of the Federal Aviation Administration and is ✓ Approved FAA Flt. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization FAA Designee Repair Station Certificate or Signature/Date of Authorized Individual Designation No. 8-813 HEER617E AARON W BEGNAUD

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.)

N363BH

8-8-13

Nationality and Registration Mark

Date

#### Garmin GTX 330 Mode S Transponder

- 1. Remove Bendix/ King KT76A transponder for this installation.
- 2. Installed a Garmin GTX-330 Mode S Transponder in accordance with PHI Drawing PHI-206L-13168, Rev. IR.
- 3. Installed the following Avionics components:

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Type	<u>Description</u>	Station/Location	Circuit Breaker
GTX 330	Transponder	43.00/Center console	5 Amp
SSD120-30N	Blind Encoder	22.00/Center Console	N/A
C1105	Antenna	22.00/Under Fuselage	N/A
	<u>Type</u> GTX 330 SSD120-30N	GTX 330 Transponder SSD120-30N Blind Encoder	TypeDescriptionStation/LocationGTX 330Transponder43.00/Center consoleSSD120-30NBlind Encoder22.00/Center Console

- All Avionics circuit breakers are located in the aircraft manufacturer's supplied panels and are appropriately labeled. All wire used is MIL-W-22759 and MIL-W-27500 interconnect wire.
- 5. These components were previously installed on a Cessna U206F in accordance with STC SA01152WI-D.
- 6. The Transponder system is a stand-alone system and is in accordance with the manufacturer's installation instructions as follows:

<u>MFG</u>	<u>Type</u>	Installation Manual Number	Revision
Garmin	GTX 330 Transponder	190-00207-02	S '

7. All work accomplished in accordance with:

A.C. 43.13-1B	CHAPTER 11	SECTION 3-6	Electrical loading and protection.
	CHAPTER 11	SECTION 8-17	Wire routing, marking and connecting.
	CHAPTER 10	SECTION 1-2	Weight and balance considerations.
A.C. 43.13-2B	CHAPTER I	PARA 106 - 111	Structural mounting data.
	CHAPTER 2	PARA 202 - 206	Equipment physical mounting techniques.
	CHAPTER 3	PARA 305 - 310	Antenna physical mounting techniques.
PHI ESM-1	CHAPTER 1		Helicopter Electrical Specification and
	THRU 12		Standard Practices Manual

 Work performed meets the requirements of Rotorcraft Airworthiness Standards for 14 CFR Part 27 of the following paragraphs:

ionowing paragrapi	18.
27.1301	Equipment installed performs its intended function
27.1309(c)	Equipment installed is not a hazard in the event of a malfunction
27.1321	Arrangement and visibility
27.1351	Electrical loads does not exceed generator capacity
27.1357	Circuit device protection
27.1365	Electric cable type and load
27.1547	Compass system tested and corrected
27.1581(b)	Flight Manual Supplement provided if required

- 9. Equipment list updated to reflect installation of this system.
- 10. Actual weight and balance complied with.

- 11. Compass system tested and corrected.
- 12. Electrical load does not exceed 80% of generator capacity.
- 13. The GTX 330 Transponder System is not interfaced with TIS (Traffic Information Service) for "see and avoid" information of nearby traffic and therefore does not have the limitations of a flight manual supplement.
- 14. The Automatic Dependent Surveillance Broadcast (ADS-B) function within the GTX 330 Mode S Transponder is deactivated for this installation.
- 15. Instructions for continued airworthiness, PHI-915-206L-ICA-0021, Rev. IR, dated April 3, 2013 are attached.

US Department
of Transportation
Federal Aviation

orm Approved OMB No. 2120-0020	Electronic Tracking Number					
2/28/2011	<u></u>					
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D. I certify	that the repa	air and/or alterati accordance with rue and correct t	the requirement	its of Par	dentified in Iten rt 43 of the U.S	n 5 above and d	escribed on	the revers	se or attachme	ents hereto itlon
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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.

Description of Work Accomplished     (If more space is required, attach additional sheets, identify with aircraft national sheets).	onality and registration mark and date	work completed.)
	N233PH	10/06/2014
	Nationality and Registration Mark	Date
Description: Rolls Royce Gearbox Housing P/N 23064603, S/N PC19837		
<ol> <li>Repaired Engine Mounts IAW RSS 1012 And E.O.128.</li> <li>Repaired Oil Pump Drive Seal Bore And Flange IAW RSS 2.</li> <li>Repaired PT Tachometer Governor Locating Bore And Flange Inspection.</li> </ol>	1051. nge IAW RSS 1051.	
Repair Salvage Schemes (RSS) 1012 And 1051 Are OEM App	roved Data.	
		i
All Records Of Work Performed Are On File Under Work Order No Further Statements To Follow.	73925.	
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### US Department of Transportation Federal Aviation Administration

# MAJOR RAND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

NSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This form is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

	Make	Bell He	elicopters				Model 206L-3					
1. Aircraft	Serial No	51529						y and Registration I <b>N3116L</b>	Mark			
2. Owner	Name (A	s shown o	on registration certific asing Company, I				Address (	As shown on regist 1211 AVE. of th New York, NY 1	ne Americas			
								IVIN, IVI				
					3. For	FAA Use Only						
					I. Uni	it Identification				5. Type		
Unit		M	ake			Model		Serial	l No.	Repair	Alteration	
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PROPELLER										·		
	Туре											
APPLIANCE	Manufactu	urer										
				6. (		rmity Statement						
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Petroleum P. O. Box 9	0808	rs, Inc.				Foreign Certificated		С	HEER617	Power	Plant	
Lafayette, l					X	Certificated Repa			& Acces	sories Li lass 1,2,	td.	
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Date					Sign	nature of Authoriz	zed Indivic	tual				
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10.	-14-	0	7	Appro	val fo	or Return to Servi	ce ·	i Life	y cn.			
			ersons specified below tion Administration an	w, the ı			4 was insp	REJECTER		by the		
1 1	A Flt. Stand	lards	Manufacturer		Inspe	ection Authoriza		Other (Specify)				
	A Designee	×	Repair Station		Pers Cana	son Approved by adian Airworthine	Transpon	1		·	-	
Date of Approv	/al or Rejec	tion	Certificate or Designation No. HEER617E		•	nature of Authoriz		dual				
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Weight and balance or operating limitation changes shall be entered in the appropriate arcraft 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.)

#### Installed a cargo net to restrain cargo in the hat rack area at Station 148

Installed Cargo Net to restrain cargo in the hat rack area, see PHI Drawing PHI-206-60174, Rev. B, dated 8-27-98.

This alteration is in accordance with data previously approved on FAA form 337, dated June 02,2000 for Bell model 206L-3, N49EA, serial number 51507, and is approved for duplication on identical make, model, and altered configuration when accomplished by the original modifier.

The installation is similar to AC 43.13-2A, figure 12.5 and was made according to AC 43.13-2A, paragraph 243b. Picked up existing hardware points on aircraft.

The installation was load tested according to AC 43.13-2A, paragraph 246b for up to 45 lb. load. See PHI Structural Static Load Test Document Number PHI-206-ST-0001.

For fabric burn test see PHI Report Document PHI-060-BT-0001.

The weight and balance was amended as necessary.

Installed placard on hat rack as follows:

PULL RED STRAPS TO RELEASE CARGO NET MAX. WT. ALLOWED 45 LBS.

#### INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

This instruction for continued airworthiness gives the data that is needed to fulfill the requirements of CFR parts 23, 25, 27, 29, 33, or 35, sections 23.1529, 25.1529, 27.1529, 29.1529, 31.82, 33.4, or 35.4 as applicable.

#### ITEM NAME: HAT RACK STORAGE BIN, CARGO RETAINING NET

- 1) INTRODUCTION: "Hat rack" storage bin. Installation of a cargo retaining net. Addition of a web net to restrain cargo in the hat rack, which is located above the aft rear seats. Maximum load is 45 pounds and will be placarded.
- 2) DESCRIPTION: Installation of a cargo retraining net mounted across the hat rack opening.
- 3) CONTROL, OPERATION INFORMATION: Secure top out board straps over threaded studs and retain with lock pins.
- 4) SERVICING INFORMATION: None require.
- 5) MAINTENANCE INSTRUCTIONS: Petroleum Helicopters Inc. Maintenance program or FAA Annual. Inspect for condition and security.

#### 337 ATTACHMENT SHEET DATED/0-14-0/ N3116L S/N 51529 MODEL 206L-3

- 6) TROUBLE SHOOTING INFORMATION: None required.
- 7) REMOVAL AND REPLACEMENT INFORMATION: Remove and install in accordance with drawing PHI-206-60174.
- 8) DIAGRAMS: None required.
- 9) SPECIAL INSPECTION REQUIREMENTS: None required.
- 10) APPLICATION OF PROTECTIVE TREATMENTS: None required.
- 11) DATA: In accordance with drawing PHI-206-60174.
- 12) LIST OF SPECIAL TOOLS: None required.
- 13) FOR COMMUTER CATEGORY AIRCRAFT: N/A
- 14) RECOMMENDED OVERHAUL PERIODS: N/A
- 15) AIRWORTHINESS LIMITATION SECTION: N/A
- 16) REVISION:

A letter will be submitted to the local FSDO with a copy of the revised FAA form 337 and revised ICA. The FAA inspector accepts the change by signing block 3.

(2)
US Department
of Transportation
<b>Federal Aviation</b>
Administration

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only

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US Departn of Transport Federal Av Administra	ortation (Airframe, Powerplant, Propeller, or Appliance)												For FAA Use Or	nly
instructio	JCTIONS: Prin ons and dispos plation. (49 U.S	sition of th	nis form	ries. See Title 14 C n. This report is requ	FR §	§43 by	).9, Part 43 law (49 U.5	Append 3.C. §44	lix B, a ∤701). F	ind AC allure t	43.9-1 to repo	l (or sul rt can re	bsequent revi	sion thereof) for penalty for each
	N230	ity and Reg 6PH	jistratio	ın Mark				Serial (	l No. 51345					
1. Aircraft	t Make Bell							Mode	el 206				Series	
			n regis	tration certificate)	—	_			ess (As				L-3 certificate)	
2. Owner	PHI	, Inc.	_					Addres: City	s <u>Quali</u> Lafay		surano	e 2001		line Thruway
								Zip		8-2156	3	Cour	ntry USA	
3. For FAA Use Only											<del></del>			
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Repair	Alteration	Un	nit	М	lake					Mode	el			Serial No.
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per 14 CFR App. B	≀ Part 43		<u>\</u>	) & Elly				<u>D.1</u>		llv	<u> </u>	7	AUG 1	1 2 2013
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Administra	rator of the Fed	deral Aviat		ons specified below ministration and is	v, In	1e t	unit identific	7.		_	ejected		e manner pr	escribed by the
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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.

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Installed Flight Manual S manual.	upplement AA-90012	Revision C, dated Novemb	per 29, 2006 into flight
Compass corrected as req	uired.		
Actual weight and balanc			
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		a gastar	
		- Section	
		- Section	

### Department of Transporation-Nederal Antation Administration

## Supplemental Type Certificate

Number SH2804SO-D

This cortificate issued to

Aeronautical Accessories, Inc. 441 Industrial Park Drive Piney Flats, TN 37686

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meds the airmorth iness requirements of Part 6 of the Civil Air and Part 21.29 of the Federal Aviation Regulations

Original Product-Type Certificate Number

H2SW

Alako:

Bell Helicopter Textron

Models

2061., L-1, L-3, L-4

Description of Type Design Change: High Skid Landing Gear in accordance with Aeronautical Accessories, Inc. Drawing List Report AA-90009, Revision A, dated May 23, 1990, and installation per Report AA-90008, No Revision, dated April 11, 1990 or Report AA-90055, No Revision, dated October 29, 1990, or Report AA-93083, No Revision, October 29, 1993 or later FAA/DAS approved revisions.

April 23, 1998, or AA-90010, Revision B, dated April 23, 1998, or AA-90012, Revision B, dated April 23, 1998, or AA-90010, Revision B, dated April 23, 1998 or AA-90012, Revision B, dated April 23, 1998 or later FAA/DAS approved revisions and the Instructions for Continued Airworthiness, Aeronautical Accessories, Inc. Report AA-01145, Revision A, dated March 27, 2003, and AA-01149, No Revision, dated September 7, 2001, or later AEG accepted revisions are required. Compatibility of this design change with previously approved modifications must be determined by the installer. 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 approvat shall remain in effect until surrendered; suspended, revoked; or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Dale of application: March 2, 1990

Dala reissueds

Date of isonance:

August 1, 1990

Dalo amendod: March 11, 1998; December 30, 1999; June 6, 2003

By Direction of the Administrator

Stephen E. Joseph DAS Administrator,

DAS-750215-SW

(Title)

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



### Aeronautical Accessories, Inc P.O. BOX 3689

BRISTOL, TENNESSEE 37625-3689 U.S.A.

TELEPHONE: 423-538-5151

800-251-7094

TELEFAX: 423-538-8469 E-MAIL: sales@aero-access.com

TO:

Petroleum Helicopters, Inc.

ATTN:

Lee Prejean

DATE:

January 31, 2007

REF:

**Authorization Letter** 

Aeronautical Accessories, Inc. authorizes your company to install all of our "STC" products on your "fleet of aircraft".

Our "STC" products are listed in our product catalog.

Regards,

James Rumley

Marketing/Sales Mgr.

## 0

US Department of Transportation

#### **MAJOR REPAIR AND ALTERATION**

Airframe.	Powerplant,	Propeller.	or An	obliance)
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Form Approved OMB No. 2120-0020 2/28/2011 For FAA Use Only

of Transportation Federal Aviation Administratio	,	mame, r o	AA C	piant, ric	)he	1161,	ог др	pilarice					
INSTRUC	CTIONS: Prin	t or type all en sposition of th violation (49 U	nis fo	rm. This repo	CFR ort is	R §43. requ	9, Part 4 iired by	3 Appendix B, a law (49 U.S.C. §	nd AC 43.9- 44701). Fai	1 (or lure	subsequent revision thereof) to report can result in a civil		
	Nationality N3	Nationality and Registration Mark N3116L						Serial No. 51529					
1. Aircraft	Make Be	ell						Model 206			Series L-3		
		shown on registr	ation	certificate)			Address (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruwa						
2. Owner	P	-II, Inc.						City Lafa	ayette 08-2156	Cou	State LA		
					3.	For F	AA Use	Only					
4.	Туре					*****	5. L	nit Identificatio	n				
Repair	Alteration	Unit		1	Make	е		Мо	del		Serial No.		
		AIRFRAME						(As described in Item 1 above)					
		POWERPLAI	NT										
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		APPLIANCE		Туре									
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A Agono	's Name and	Addross					rmity Sta	atement					
Name		ICOPTER TEX	XTRO	ON, INC.	D. r	_		ted Mechanic			Manufacturer		
Address		NT DES MOU			v			ficated Mechanic air Station		C. Certificate No. CRS B1H2300N Limited Airframe			
City Zip	LAFAYET 70507		tate J.S.A	LA	Х			ntenance Organiza	ation		ited Specialized Services		
have	been made in		th the	e requirements	ofP	art 43	of the U				verse or attachments hereto d that the information		
Extended r per 14 CFF App. B			Sig	nature/Date o	f Aut	thoriz	ed Indivi	dual					
дрр. Б		<u>—</u>	-	7.	Арр	roval	for Ret	urn To Service					
		ty given perso				unit i			spected in t		anner prescribed by the		
BY	FAA Flt. Inspecto	Standards		Manufacture	Manufacturer Maintenance Organization			n		Persons Approved by Canadian Department of Transport			
	FAA Des	signee	Х	Repair Stati	on		Inspection	on Authorization	c	ther	(Specify)		
Certificate	or		Sia	nature/Date o									
Designation B1H2300I			1	ANT MCDAN			11	1/ 9/2/	/				

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 nation	nality and registration mark and date work co	mpleted.)
	N3116L	05/09/2012
	Nationality and Registration Mark	Date
NOMENCLATURE: HORIZONTAL STABILIZER ORIGINAL PART NUMBER: 206-023-119-151 SERIAL NUMBER: AO-04209 WORK ORDER NUMBER: W169149AA		
OVERHAULED PANEL MENTIONED ABOVE IN TEXTRON, INC. FAA APPROVED OVERHAUL REVISION A, DATED 8/30/99.		
END		

Additional Sheets are Attached

Form Approved	Electi
OMB No.	ĺ
2120-0020	

of Transportatio	n
Federal	

	MAJOR REPAIR AND ALTERATION	2120-0020 2/28/2011	
US Department of Transportation	(Airframe, Powerplant, Propeller, or Appliance)		For FAA Use Only
Federal Aviation Administration			Language thorough
for instructions ar	Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and disposition of this form. This report is required by law (49 U.S.C. such violation (49 U.S.C. §46301(a))	and AC 43.9-1 (0 §44701). Failure	e to report can result in a civi

Federal	,	•		•							
Aviation Administration	on			·							travision thereof)
for instruc	ctions and di	t or type all en sposition of th violation (49 U	is fo	rm. This repo	CFR rt is	§43.9 requi	Part 4 ired by I	3 Appendix aw (49 U.S.	B, and AC ( .C. §44701)	43.9-1 (o . Failure	r subsequent revision thereof) to report can result in a civil
portatty to		and Registration			-			Serial No.	وسماس	<u> </u>	
		V233P					<u>.</u>		3/32	7	(A)
1. Aircraft	t Make	BELL							5152°		Series L + 1 L-3+
-	Name (As	shown on registr	ation	certificate)			_		s shown on re	gistration c	ertificate) ELUNE THRUWAY
2. Owner	PH:	E INC						Address City Zip	LAFAYE 70508-21	TE	State LA
<del> </del>				· · · · · · · · · · · · · · · · · · ·	3.	For F	AA Use	Only			
						1011				<del></del>	
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	Alteration	Unit			/lake				Model		Serial No.
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		PROPELLER	!					•		<u> </u>	
				Туре							
		APPLIANCE									
				Manufacture	r.						
								atement			
A. Agency' Name	's Name and	Address ICOPTER TEX	(TR	ON INC	B. r		f Agenc Certifica	y ited Mechanic	3		Manufacturer
Address	301 W. PO	NT DES MOU	TON	ROAD		Foreign Certificated Mechanic				C.	Certificate No.
City	LAFAYET	re s	tate	LA	X			air Station			S B1H2300N Limited Airframe nited Specialized Services
Zip	70507	Country <u>U</u>	.S.A	·· <u>·</u>	_	Certi	itied Maii	ntenance Org	janization		miled Specialized Gervices
have b	oeen made in	air and/or altera accordance wi true and correc	th the	e requirements	of P	art 43	of the U	em 5 above a .S. Federal A	and describe viation Regu	d on the r ulations a	everse or attachments hereto nd that the information
Extended ra				nature/Date of				dual	.,		
per 14 CFR	R Part 43			LIX 11:	/	10		•			
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Pursuant to	o the authori	ty given persor	ns sp	pecified below	the		identified	·	as inspecte	d in the r ECTED	nanner prescribed by the
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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 nation	onality and registration mark and date work completed.)
	N233PH 5-4-17 Nationality and Registration Mark Date
NOMENCLATURE: HORIZONTAL STABILIZER ORIGINAL PART NUMBER: 206-023-119-151 SERIAL NUMBER: H17804 WORK ORDER NUMBER: W205068AA	
OVERHAULED PANEL MENTIONED ABOVE IN TEXTRON, INC. FAA APPROVED OVERHAUL REVISION B, DATED 9/1/11.	ACCORDANCE WITH BELL HELICOPTER - PROCEDURE NUMBER PHI-450-OP-052
END	
<u>-</u>	
□ Additional Sheets a	are Attached

<b>②</b>
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
_ ·	or FAA Use Only

AUG 1 6 2013

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)) Nationality and Registration Mark Şerial No. N236PH 51345 1. Aircraft Make Model Series Bell 206 1 - 3Name (As shown on registration certificate) Address (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafayette State LA 70508-2156 Country USA 3. For FAA Use Only 4. Type 5. Unit Identification Alteration Repair Unit Serial No. Make Model (As described in Item 1 above)  $\checkmark$ AIRFRAME **POWERPLANT PROPELLER** Type APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency PHI, Inc. U. S. Certificated Mechanic Manufacturer Address P. O. Box 90808 Foreign Certificated Mechanic C. Certificate No. Lafayette City State LA Certificated Repair Station HEER617E USA 70509-0808 Country Certificated Maintenance Organization 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 AUG 16 2013 App. B 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 FAA Fit. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization **FAA Designee** Repair Station

Sign**atur**e/Date of Authorized Individual

HEER617E

Certificate or

Designation No.

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.

scription of Work Accomplished more space is required, attach addi	itional sheets. Identify with aircra	oft nationality and registration mark and date	work completed.)
		N236PH	AUG 1 6 2013
		Nationality and Registration Mark	Date
	INCREASED GROS	S WEIGHT UPGRADE	
	-2052 Rev. 1 dated Oct	in accordance with Bell Helico tober 14, 2010. Installed 206L4 tures Data.	
Compass corrected as re-	quired.		
Performed Actual Weigh	nt and Balance.		
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of Transportation
Federal Aviation
Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each su	ch violation (Section 901 Federal Av	viation Act of 1958).	_ ,			,	000,1000
4 Airmands	Make Bell		Model 2062-3				
1. Aircraft	Serial No.		Nationality and Registration Mark				·
	S1529 Name : As snown on registration	certificate	N 3/16L				
	Name (AS Shown on registration)	cerinicale)					
2. Owner	SAFE ED CONST	complay In	MY INC SEAMIN WA98185				
		3. For FA	A Use Only				·
	•			•			¥
		4. Unit ld	entification			5. Type	
Unit	Make	***o	Cel	Serial No	). 	Repair	Alteration
AIRFRAME		(As described in ite	m i above)	<b>~~~~</b>			X
POWERPLANT							
PROPELLER							
APPLIANCE	Type			-		· · · · · · · · · · · · · · · · · · ·	
	Manufacture:						
		6. Conformi	ty Statement				
	ame and Address	B. Kind o		~	C. Certif	icate No.	
	n Helicopters. Inc.		ertificated Mechanic	<del></del>	Airframe.	Powerplant, a	nd
P.O. Box			Xi Cambicated Repair Station			Accessories Limited - Radio Class	
Lafayette	, LA 70509		Narufacturer 1, 2, and			3 - CRS No. H	EER617E
have beer	nat the repair and/or alteration made in made in accordance with the requ herein is true and correct to the be	irements of Part #3 o	ed in item 4 above if the U.S. Federal	and described on th Aviation Regulation	ne reverse ons and tha	or attachments the inform	nts hereio nation
Date 7-	9-96	Signature	of Authorized Indi	ack,			
		7. Approval for R	eturn To Service			<del></del>	
Pursuant to Administrato	the authority given persons specifi r of the Federal Aviation Administra	ed below, the 🚉 :	centified in item	4 was inspected in EJECTED	the mann	er prescrib	ed by the
Inspe	Fit. Standards Manufacturer	Inspection -	Lithorization	Other (Specify)			
FAA	Designee X Repair Station	Canada Airi	roved by Transport vorthiness Group				
Date of Approva	Designation No.	Signature of	Authorized Indiv	Mackin.			

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.)

### Modification to Input Pinion

Transmission S/N A-33 TT 4479.50 TSO - 0-

Installed a No. 8 neoprene plug in Transmission input pinion out board end in addition to Bell Helicopter Textron cork. This No. 8 neoprene plug is an aid to prevent oil leakage through the cork.

The Data for this modification is FAA Approved on FAA Form 8110-3 dated 5 June • 1996 serial number 8110-961 by Bell Helicopter FAA DER James D. Rockwood No. SW-931.

END

# NOT INSTALLED

<b>(</b> )
US Department
of Transportation
Federal Aviation
Administration

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

Form Approved OMB No. 2120-0020	Electronic Tracking Number
11/30/2007	
F	or FAA Use Only

06-14-2012

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)) Nationality and Registration Mark Serial No. 51529 N3116L 1. Aircraft Make Model Series Bell L-3 Name (As shown on registration certificate) Address (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafayette State LA 70508-2156 Country USA 3. For FAA Use Only "The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in § 43.7" _____ FAA Inspector: SW-BTR-FSDO 5. Unit Identification 4. Type Repair Alteration Unit Make Model Serial No. (As described in Item 1 above) **AIRFRAME**  $\checkmark$ **POWERPLANT** PROPELLER Type **APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency PHI, Inc. U. S. Certificated Mechanic Manufacturer Address P. O. Box 90808 Foreign Certificated Mechanic C. Certificate No. Lafayette City State LA Certificated Repair Station HEER617E USA Zip 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 atch P. M. Bradd KATRICE P Mc DOWALD Арр. В 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 FAA FIt. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Department of Transport Inspector ΒY Other (Specify) Inspection Authorization FAA Designee Х Repair Station Signature/Date of Authorized Individual Certificate or Designation No. atu P. M. Smald PATRICK P. M. Downer

HEER617E

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.

			N3116L	06-14-2012
	•	Nationa	lity and Registration Mark	
		Alteration		
	Installati	on of Antenna Mount or	n Battery Door	
	d installed antenna mount of lated December 7, 2011.	n battery door in accordance	e with Picture and Ske	tch PHI-206L-PS-0112,
nstallation of	Battery Door Safety Clip in	n accordance with Drawing	PHI-206-60557 Revis	ion A. dated 12-16-2011
	alysis Report for installation dated 12-16-2011.	n of a battery door antenna n	nount is in accordance	with PHI-206L-SA-010
	the Structural aspects for the 206L-3, N230PH, S/N 51	is alteration according to dath	ta previously approved	d on FAA Form 8110-3
			TOTO T	C-710134-SW
3y DER		_ Designation Number		
Dated For Company	12-28-2011  Flight Test Plan and Resul	Designation Number 8110-3 Serial Number ts for Battery Door Antenna	11	12-68
Pated For Company Revision A da Approval for 18110-3 for Bo	12-28-2011  Flight Test Plan and Resulated 01-23-2012.  the flight evaluation aspects ell Model 206L-3, N230PH	8110-3 Serial Number ts for Battery Door Antenna s for this alteration according 1, S/N 51506.	Mount Provisions see	12-68 e PHI-206L-TP-0009 oproved on FAA Form
Revision A da  Approval for 18  8110-3 for Bo  By DER	12-28-2011  Flight Test Plan and Resulated 01-23-2012.  the flight evaluation aspects ell Model 206L-3, N230PH Robert A. Williams	8110-3 Serial Number ts for Battery Door Antenna s for this alteration according 1, S/N 51506. Designation Number	11  Mount Provisions see g to data previously ap  DERT	12-68 e PHI-206L-TP-0009 eproved on FAA Form T-710526-SW
For Company Revision A da Approval for Both 110-3 for Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Both 150 Bot	12-28-2011  Flight Test Plan and Resulated 01-23-2012.  the flight evaluation aspects ell Model 206L-3, N230PH Robert A. Williams 01-23-2012	8110-3 Serial Number ts for Battery Door Antenna s for this alteration according l, S/N 51506. Designation Number 8110-3 Serial Number	11  Mount Provisions see g to data previously ap  DERT	12-68 e PHI-206L-TP-0009 eproved on FAA Form F-710526-SW None
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# U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION FOR COMPLIANCE WITH AIRWORTHINESS

23 January, 2012

STATEMENT	STANDAR		OKIMINESS	23 January, 2012				
	AIRCRAFT OR A	IRCRAFT COI	MPONENT IDENTIFIC.	ATION				
2. MAKE	3. MODEL NO.	4. TYPE (Airpl	ane, Radio, Helicopter	5. NAME OF APPLICANT				
		,etc.)		PHI, Inc.				
Bell Helicopter Textron		-	Y-11	P.O. Box 90808				
Canada Limited	206L-3	1		Lafayette, LA 70509				
LIST OF DATA								
6. IDENTIFICATION	G 71: 1 / m	(7)	7. TITLE	oor Antenna Mount Provisions on				
Report: PHI-206L-TP-0009	Company Flight 16	est Pian and i	con Conada Limited N	Model 206L-3 & 206L-4 Helicopters				
Rev A, Date: 23 Jan, 2012	Bell Helicopter Hel	ncopter rexu						
	I .	EIV	D OF DATA					
	Notes:	Test Dilet or	nd Flight Test Analy	st aspects of the results of the above				
	1) Only the Flight	: lest Phot ar	in This approval i	s only for the engineering data. It				
	listed data are ap	oproved nere	III. IIIIS appiovai i	ance with the regulations specified by				
	indicates the data i	listed above d	ted below as "Applic	able Requirements"				
	paragraph and subj	paragraph ns	o EAA approval of	able Requirements." all the engineering data necessary for				
	2) This form does	mot constitut	nacaccary requireme	ents for the entire alteration.				
	Substantiation of C	omphance to	al of structural data.	The for the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case of the case o				
	3) This project req	luites approve	as of stituotatar datas					
8. PURPOSE OF DATA								
In support of a major alter	ration for serial num	nber 51506.						
in support of a major area								
9. APPLICABLE REQUIREMENTS (	(List specific sections)							
14 OPD Dout 27, 27 51(a)	. 27 65(a)(1): 27 75.	(a)(1), 27.14	1(a) & (b); 27.143(a)	), (b) & (c); 27.161; 27.171; 27.173;				
00000tg 001x)********	***********	********	***					
10 CERTIFICATION - Unde	r authority vested by dire	ection of the Ad	ministrator and in accord	ance with conditions and limitations				
of appointment under Part	183 data listed above	e and on attac	ned sneets (none) i	lave deell challiffed in accordance with				
established procedures and fou	nd to comply with applic	cable requireme	nts of the Airworthiness	Standards insteal.				
	Recommend approva	al of these data						
I ( <del>We</del> ) Therefore	II 1 1			L 40 OLAGOISICATION/CV				
11. SIGNATURE(S) OF DESIGNAT	ED ENGINEERING		12. DESIGNATION NUMBER(S)	13. CLASSIFICATION(S)				
REPRESENTATIVÉ(S)  Robert A. Williams  DERT-710526-SW  Flight Test Pilot &								
ROUGH A. WIIIIanis				Flight Test Analyst				

1112-68

					1. Date	12 00
, <u></u>	U.S. Departmen	t of Transp	portation			C 28 2011
	Federal Aviatio	n Adminis	tration	TANDADDO		.0 20 2011
STATEMENT C	F COMPLIANCE	E WITH AI	RWORTHINESS S	IANDARDS		
	Aircraft or	Airoratt ( `A	moonent ideniiiidai	Radio, Helicopter, etc.)	5. Nam	e of Applicant
	3. Model No.		14. Type (Altplane,	(Yadio, Ficheopter, etc.)		
BELL HELICOPTER TEX	(TRON	0		HELICOPTER	Ph	II, INC.
CANADA LIMITED	206L	<u>-0</u>	LIST OF DATA	1 1111111111111111111111111111111111111		
- 11 110 110 1	Г			Title	e)	
6. Identification			······································			
DOC. PHI-206L-PS REV. IR, 12-07-11	  -0112, 	PICTURE ON BATT	AND SKETCH DA ERY DOOR IN BEI	TA FOR ANTENNA MOUN LL MODEL 206L SERIES I	NT INSTALI HELICOPTI	_ED ≣R
DWG. PHI-206-605 REV. A, 12-16-11	[   	206 BATT	ERY DOOR SAFE	TY CLIP		
RPT. PHI-206L-SA REV. IR, 12-16-11	-0103, 	DOOR A	URAL ANALYSIS F NTENNA MOUNT ( 206L-3 & 206L-4 H	REPORT FOR INSTALLAT ON BELL HELICOPTER TI ELICOPTERS	ION OF A I EXTRON C	3ATTERY ANADA
				PPROVAL ONLY		
			-	el 206L-3, S/N 51506.		
	dem liste 2. 7 sub	nonstrates d below as This form o stantiation	compliance only wi s "Applicable Requi	a only. It indicates the date th the regulations specified rements." broval of all the engineering ecessary requirements for	data nece	ssary for
8. Purpose of Dat		MAJOR	ALTERATIONS FO	R S/N 51506.		
	THIS APPROV	VAL IS FO	R ENGINEERING	DESIGN DATA ONLY.		
9. Applicable Req	uirements (List s	specific sec	ctions)			
27.603(a)(b)(c) In accordance certification be	c)[16], 27.605(a)] with 14 CFR Pa asis per TCDS H DN - under autho appointment un en examined in a	[16], 27.60 art 27 with I2SW (CAl ority vested ader 14 CF accordance	amendments 27-1 R 6). All are at among the R by direction of the R Part 183, data lise with the establish	7(a)[3], 27.337(a), 27.561, c)(c)(d)[16], 27.625(a)(c). through 27-24, exceeding tt. 27-0 unless noted as [*] Administrator and in accorted above and on attached ed procedures and found the	the original , where * is rdance with t sheets nu	the conditions mbered
I (We) Therefore	R	ecommen	d approval of these	data		
I (VVC) THEICHOLE	X A	pprove the	ese data		74	
11. Signature(s) o	f Designated En	gineeri <b>n</b> g F	Representatives	12. Designation Number(	s)	13. Classifications
Roland M. Howard	1/	land	7. Harry	DERT-710134-SW		Structures

		1. DATE					
QT ATEMEN!	FEDERAL AVIATION ADM	WITH AIRWORTHINESS		23 January, 2012			
SIAILMLN	STANDAR	DS		*′			
	AIRCRAFT OR AII	RCRAFT COMPONENT IDENTIFI	CATION				
2. MAKE	3. MODEL NO.	4. TYPE (Airplane, Radio, Helicopter	5. NAME	OF APPLICANT			
		,etc.)	PHI, I	nc.			
Bell Helicopter Textron	206T 3	D000					
Canada Limited							
		LIST OF DATA					
6. IDENTIFICATION	9	7 TITI F					
Report: PHI-206L-TP-0009	Company Flight Te	st Plan and Results for Battery	Door An	tenna Mount Provisions on			
Rev A, Date: 23 Jan, 2012	Bell Helicopter Heli	copter Textron Canada Limited	Model 2	Joh-3 & 2001-4 Helicopiels			
1011, 200. 20 0, 200.		END OF DATA					
	Notes:						
	1) Only the Elight '	Γest Pilot and Flight Test Ana	lyst aspec	ets of the results of the above			
	listed data are ant	proved herein. This approval	is only	for the engineering data. It			
	indicates the data li	sted above demonstrated comp	liance wi	th the regulations specified by [			
	naro oranh and suhn	aragraph listed below as "Appl	icable Ke	equirements.			
	2) This form does t	not constitute FAA approval of	t all the e	ingineering data necessary for			
	substantiation of co	mpliance to necessary requirer	nents for	the entire afteration.			
	3) This project requ	ires approval of structural data	•				
8. PURPOSE OF DATA							
In support of a major alter	ration for serial numb	er 51506.					
				· · · · · · · · · · · · · · · · · · ·			
9. APPLICABLE REQUIREMENTS		a)(1), 27.141(a) & (b); 27.143(	a). (b) &	(c); 27.161; 27.171; 27.173;			
14 CFR Part 27: 27.51(a)	;	(a) (c) & (d) and 27 1323(c) (	Flight Te	st Pilot and Flight Test Analyst			
2/.1/5; 2/.1//; 2/.251; 2	././/3(a)(1), 4/.13V1 ********	(4), (C) & (G) and 21, 1223(C) (- *************	*****	st Pilot and Flight Test Analyst			
TA OFFITICATION IInda	r authority vested by direc	tion of the Administrator and in acco	ruance will	1 COMMINIONS and minimum			
of amaintment under Part	183 data listed above	and on attached sheets (none)	maye been	CAUTITION III GOOT WALLET !!			
established procedures and fou	nd to comply with applica	ble requirements of the Airworthines	s Standards	listed			
	Recommend approval	of these data					
I (We) Therefore	Approve these data						
11. SIGNATURE(S) OF DESIGNAT		12. DESIGNATION	13.	CLASSIFICATION(S)			
REPRESENTATIVE(S)	11/21/	NUMBER(\$) DERT-710526-S	$\overline{\mathbf{w}}$	Flight Test Pilot &			
Robert A. Williams		DERT-710320-5	<del>``</del>	Flight Test Analyst			
I .		į.	1				



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

Form A	Approved	
ОМВ	No. 2120-0020	
	For FAA Use Only	
Office	Identification	

and dispos	ition of this form	. TI	nis report is require on 901 Federal Avia	ed by	law (4	9 U.S.C. 1421). Fa	ailure to r	eport can result in	a civil pena	alty not to exc	eed \$1,000
	Make Be]	1			**		Model	<del>V </del>			
1. Aircraft			·····			· · · · · · · · · · · · · · · · · · ·	206L-3 Nationality and Registration Mark				
	Serial No.	529	9				Nationa	olity and Registration	on Mark		
	Name (As sho	w	n on registration ce	ertific	ate)	<del> </del>	Addres	s (As shown on reg	istration o	ertificate)	
2. Owner	Fleet Cre	. A.	it Corporati	on	·			lestminster		•	
	Fleet Credit Corporation				Provi	dence, RI	02903				
					3.	For FAA Use O	nly				
	requirem to confo	er	nts and is a	ppr ion	oved by spec	for the a a person at tor	bove duthori	licable aird lescribed aird ged in FAR	craft 43 Sect	subject	<b></b>
	<del></del>			T	4.	Unit Identificati	on			5. Type	
Unit		Ma	ake			Model		Serial No	<b>)</b> .	Repair	Alteration
AIRFRAME	•	~~	(	'As d	escrib	ed in Item 1 abov	(e) ••••				x
POWERPLANT											"
PROPELLER											
	Туре										
APPLIANCE	Manufacturer					71					
	<u> </u>								<u>.</u>		
A Agency's N	lame and Addres			<del></del>		onformity Staten Kind of Agency			0.0-1		· · · · · · · · · · · · · · · · · · ·
					1.0.	U.S. Certificated				icate No. AME POW	FRPT ANT
Petroleu P.O. Box	m Helicopt	er	s, Inc.			Foreign Certifica		· · · · · · · · · · · · · · · · · · ·	1	ESSORIES	
	90000 e, LA 705	ი9			X	<del></del>	air Station		1	CLASS 1	
	-					Manufacturer				O. HEER6	
nave bee	n made in accor	dar	r alteration made to nce with the requir correct to the best	emer	its of F	Part 43 of the U.S	i 4 above 5. Federal	and described on the Aviation Regulation	ne reverse ons and th	or attachmer at the inform	nts hereto ation
Date					Sig	nature of Autho	rized Ind	ividual			
19	DEC, 19	9	5/			Sames ?	8. 6	Linuh		EDW	ARDS
	······································					al for Return To	Service				· · · · · · · · · · · · · · · · · · ·
Pursuant to Administrato	the authority gir of the Federal	ver Avi	n persons specifie iation Administrati	d bel on ar	ow, th	e unit identified ☑ APPROVED	in item	4 was inspected in EJECTED	the manr	ner prescribe	d by the
	Flt. Standards ector		Manufacturer		Ins	pection Authoriza	tion	Other (Specify)		•	
1 1	Designee	X	Repair Station		Per Car	son Approved by nada Airworthines	Transport s Group				
0 .	al or Rejection		Certificate or Designation No. HEER617E		Sig	nature of Author	ized Indi	lengh		EDWA	RDS
AA Form 337			L			WIVEY /		unique.			<del></del>

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.)

Installed P/N 22516, external oil filter, full flow type manufactured by Facet Enterprises, Inc. which is identical to Bell Model 205A-1, P/N 22516 oil filter.

Deactivated the electrical bypass light by removing electrical parts and installing a 1/4" 2024T3 aluminum plate and reinstalling same as original "O" rings and screws. Change filter element from original filter to porous media filter element, P/N AC7482F-2.

Filter assembly installed at Station 188 aft right side of engine compartment. Total weight of installation 4.5 pounds.

Fabricated a doubler of 301 1/4 hard .036 stainless steel. Doubler 7 3/4" wide on aft edge, 7" wide on forward edge with 1/4" L angle 5 1/4" long measuring from left to right, 5 3/4" long with 1/4" L angle full length on right side and 4 7/8" long on left side. Doubler fastened with MS20615M-3-3 & 4-4 rivets. Picked up existing row of rivets forward up two existing screws at forward left part to fit existing plate. Trimmed off L angle of existing plate.

Drilled 4 each 1/4" holes to mount filter assembly at approximately 45 degree angle to C/L of helicopter, from right side to left side & aft end forward of doubler, hole #1 2.25" X 4.1", hole #2 3.4" X 5.3", hole #3 5.3" X 1.55" and hole #4, 6.35" X 2.75".

Filter housing assembly fastened to doubler with 4 each AN4-6A bolts with a spacer made of 301 1/4 hard .050 stainless steel between filter & doubler & 4 each AN960-416L washers & AN365-428C nuts.

Used existing hose, P/N 70-056K000V420 (Engine out to oil cooler) and attached to inlet side of external oil filter. Fabricated one new hose of aeroquip 701-10 hose measuring 10 inches long. Installed 45 degree 8846 fitting on one end of hose to firewall and 90 degree 8891 fitting on other end of hose to filter. Installed AN833-10D fitting with AN924-10 nut to inlet side of filter and AN815-10D fitting to outlet side of filter. Used same size "O" rings as original in filter. Covered hose assembly with asbestos cover same as original.

This installation previously approved on 337 dated December 27, 1983 on Bell Model 206L-3, N31801, S/N 51074.

Weight and balance computed.

END-INSTALLED

US Department of Transportation
Federal Aviation Administration

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

OMB No. 2120-0020	Form App	roved
	OMB No.	2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9. FAR 43.4	ppendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions
and disposition of this form. This report is required by low (40.14 C	0. 4404) Fally AC 43.5-1 (of subsequent revision thereof) for instructions
for each such violation (Section Cot Forders) A 111	C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000
for each such violation (Section 901 Federal Aviation Act of 1958	i).

1. Aircraft	Make E	Bell				Model	206L-3			
		1345		Nationality and Registration Mark N363BH						
	Name (As shown on registration certificate)				Addres	s (As shown on reg	gistration	certificate)		
2. Owner	Petroleum Helicopters			ers, l	Inc		113 Bor	man Dri	ve	
							Lafayett	e, LA 7	0508	
7	The data identifi	ed herein complie	s with		For FAA Use Or		uirements and is a		C- 41 1	
							rized in FAR 43, S			re
<del> </del>	Date: 6/	30/97	FAA I	nspec	tor kum	D	£_~	SW-BT	R-FSDO	
	/		,	4.	Unit identification	QR P			5. Type	
Unit	ı	Make			Model		Serial No	).	Repair	Alteration
IRFRAME		***************************************	(As des	cribe	d in Item 1 abov	e)	······			X
OWERPLANT										
ROPELLER				·	· · · · · · · · · · · · · · · · · · ·	<del>-</del>				
	Туре		-	<u>-</u>		<del></del>				
PPLIANCE	Manufacturer									
			6	. Co	nformity Statem	ent				
	ame and Address			В.	Kind of Agency			C. Certif	icate No.	
	Helicopters,	Inc.	•	ļ	U.S. Certificated			Airframe,	Powerplant, an	nd
P.O. Box 9	90808			-	Foreign Certificat		Accessories Limited - Radio Class			
Lafayette,	LA 70509			X Certificated Repair Station  Manufacturer			1, 2, and 3 - CRS No. HEER617E			
D. I certify the have been furnished	at the repair and/ made in accorda herein is true and	or alteration made t ance with the requir d correct to the bes	o the un ements t of my k	it(s) i of Pa	dentified in item	4 above Federal	and described on the Aviation Regulation			<del></del>
4.	1-22-	97		Sigr	nature of Authori	zed Indi	ividual L	3/a		
			7. Ap	prova	l for Return To S	ervice				
<u></u>	ne authority give	n persons specifie	d below on and i	the is	unit identified i	n item 4	4 was inspected in EJECTED	the mann	er prescribe	d by the
Pursuant to the		Tation Administrati					Other (Specify)	<del></del>		
Pursuant to the	It. Standards	Manufacturer		Inspe	ction Authorization	on	Other (Opechy)			
Pursuant to the Administrator FAA F	It. Standards ctor Designee X		++	Perso	n Approved by Tida Airworthiness	ransport				

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.)

Installed rack manufactured from 2024T3 aluminum sheet and aluminum angles with the following exception: the depth of the rack was cut back by 4" and the radio transceivers shelf was removed. See PHI Drawing Number 400-206. Located rack to left hand nose of aircraft picking up existing mounting points and located others as necessary to mount rack. Secured with approved fasteners. Rack provides mounting for tiedown kit, ELT, and certain radio transceivers.

Structure will withstand required loads as per AC 43.13-2A, chapter 1, paragraph 2. Fabrication is consistent and compatible with aircraft structure as per AC 43.13-2A, chapter 1, paragraph 5. Materials and fasteners are all of approved types according to AC 43.13-2A, chapter 1, paragraphs 4 and 5. Parts are protected from corrosion and do not interfere with required inspection.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily inflammable parts of the aircraft, AC 43.13-2A, chapter 2, paragraphs 21a and 27e.

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, chapter 1, paragraph 8.

Amended weight and balance as required.

EMD

Additional Sheets Are Attached



of Transportation
Federal Aviation
Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each suc	h violation (Section 901 Fe	deral Aviation A	ACT OF 19	36). ————————————————————————————————————				<u></u>	
	Make Bell				Model	206L-3	A4aat		//
I. Aircraft	Serial No.				Nationality and Registration Mark				
	51529				N3116I. Address (As shown on registration certificate)				
	Name (As shown on registration certificate)			Address	(As shown on regis	tration ce	ertificate)		
2. Owner	Safeco Credit	Company	y, In	c.		eco Plaza ttle, WA 9	8185		
			3. Fe	or FAA Use O	nly				
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	- A							T = = -	
			4. U	nit identificat	ion			5. Type	
Unit	Make			Model		Serial No.		Repair	Alteration
AIRFRAME		·········(As d	lescribed	l in Item 1 abo	ve)				Х
POWERPLANT									
PROPELLER					,				
	Туре			-					
APPLIANCE	Manufacturer								
		<u></u>	6. Co	nformity State	ment				
A Agency's	Name and Address		B.	Kind of Agend	у		C. Cert	ificate No.	
				U.S. Certificat			Airfram	e, Powerplai	it, &
Petrole	eum Helicopters	s, Inc.		<del></del>	In Certificated Mechanic  Cated Repair Station  Accessories Limite Radio Class 1, 2,				
P.O. Bo	ox 90808 tte, LA 70509		X	CRS No.			. HEER617E		
Larayet	_ ,			Manufacturer					-1
have be	that the repair and/or alteraten made in accordance with the rein is true and correct	in the requirem	ents of m	art 43 or the C	em 4 above J.S. Federa	e and described on t al Aviation Regulation	ne revers ons and t	e or attachme hat the inforn	nation
Date			Sig	mature of Aut	norized ly	dividual			
	2-29-94			Kich:	ef fi	Allosa	TF .		
		7.	. Approv	al for Return	To Service	<u> </u>			<u></u>
Pursuant t	o the authority given pers	ons specified b Administration	pelow, the	e unit identifi 図 APPROV	ed in item ED 🗆	112020.20		nner prescrit	ed by the
FA	A Ely Chandarda	ıfacturer		pection Author	ization	Other (Specify)			
BY FA	AA Designee X Repa	ir Station	Car	son Approved nada Airworthi	ness Group	)			
	Desi	ificate or gnation No. EER617E	Sig	mature of Aut	horized Inc	dividual	701		

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.)

## INSTALLED THE FOLLOWING EQUIPMENT

MODEL

#### **STATION**

DRAWING NUMBER

1. Instrument Services Clock

40.0

206L1-12003

Individual system protected by a fuse; 1.) 1/4 amp.

Installation made to withstand loads as per FAA advisory circular AC43.13-2A, Chapter 1, paragraph 2.

Battery and generator are sufficient for electrical load according to AC43.13-2A, paragraph 27d, Chapter 2.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances and abrasion damage, AC43.13-2A, Chapter 2, paragraph 27a(2).

Wires and cables are supported by insulated clamps to prevent chafing according to AC43.13-1A, Chapter 11, section 7, paragraph 518.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC43.13-2A, Chapter 2, paragraph 21a and 27e.

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC43.13-2A, Chapter 1, paragraph 8.

Compass corrected as required.

Weight and balance amended as required.

-----END----

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	Etectronic Tracking Number
	or FAA Use Only
	•

8-8-13

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))

| Nationality and Registration Mark | Serial No. | 51345 |
| Make | Model | Series

1. Aircraft Make Bell 206 1 - 3Address (As shown on registration certificate) Name (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Slale LA Lafayette 70508-2156 Country USA Zip 3. For FAA Use Only 5. Unit Identification 4. Туре Serial No. Alteration Make Model Repair Unit (As described in Item 1 above)  $\checkmark$ AIRFRAME **POWERPLANT PROPELLER** Туре APPLIANCE Manufacturer 6. Conformity Statement B. Kind of Agency A. Agency's Name and Address U. S. Certificated Mechanic Name PHI, Inc. Manufacturer Address P. O. Box 90808 Foreign Certificated Mechanic C. Certificate No. State <u>L</u>A Lafayette City Certificated Repair Stallon HEER617E 70509-0808 Country USA Certificated Maintenance Organization Zip 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 8-8-13 App. B HARON W BEGNAUD 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 Persons Approved by Canadian FAA Flt. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization FAA Designee Repair Station Certificate or Signature/Date of Authorized Individual Designation No.

ANRON W BEBURUD

HEER617E

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.

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		Nationa	ality and Registration Ma	rk Da	ate
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INTE	ELLISTART PLUS	ELECTRONIC	CONTROLSY	SIEM	
Installed Pratt & System DKU-K-010 IR, dated 10-02-01.	0 in accordance v				
This installation is STC SE00026EN.	in conjunction wi	ith Pratt & Whit	ney Engine Serv	vices, Inc. Ir	ntellistart
Pratt & Whitney Er 1, Revision IR, date this installation and	ted January 20, 20	000, or later FAA	A approved rev		
Compass tested and	d corrected.				
Weight and balance	e amended as req	uired.			
		END	*	i	
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				•	

#### United States Of America

## Bepartment of Transportation - Nederal Abiation Administration

# Supplemental Type Certificate

Number SROOTIBO

This Certificate issued to

Pratt & Whitney Engine Services, Inc. 249 Vanderbilt Ave. Norwood, MA 02062

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 6, 21, 27 of the Civil Air/Fed Aviation Regulations

Original Product Type Certificate Number:

Bell Helicopter Textron (Canada)

Abako . 206 Series

Abodel: See Attached Eligibility List Dated January 20, 2000

Description of Type Design Change

Installation of a Pratt & Whitney Engine Services, Inc. – AlliedSignal Aerospace IntelliStart Plus^{+™} Electronic Control System P/N DPU-K-010 in accordance with Pratt & Whitney Engine Services, Inc. – AlliedSignal Aerospace Installation Manual, DPU-I-010-2, Revision E, dated January 14, 2000, or later FAA-approved revisions.

#### Limitations and Conditions:

1. Aircraft must have engine modifications as shown on the Eligibility List.

(See Continuation Sheet 2 of 2)

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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

Date of application September 20, 1998

Dale of issuance . January 20, 2000

Dale reistued: August 15, 2002, October 22, 2007

Date amended:

By direction of the Administrator

Robert G. Mann

Manager, Boston Aircraft Certification Office

(Title)



#### United States Of America

## Bepartment of Transportation - Federal Abiation Administration

# Supplemental Type Certificate

(Continuation Sheet)

Number SKOOI 13BO

#### Linutations and Conditions (Cont'd):

- Compatibility of this design change with previously approved modifications must be determined by the installer.
- Pratt & Whitney Engine Services, Inc. Rotorcraft Flight Manual DPU-T-250-1 dated January 20, 2000, or later FAA-approved revision, is required.
- This system is designed as an electronic aid for engine "not start" prevention and for recording engine trend and cycle data. This system does not eliminate any rotorcraft Flight Manual monitoring requirements or limitations during engine starts or the requirement for manual recording of engine operating data required by the FAA-approved operating specifications and maintenance programs.

#### Eligibility List January 20, 2000

TC.	Engine STC Required
H2SW	SE00027EN
H2SW	SE00027EN
H2SW	SE00027EN
H2SW	SE00027EN
H2SW	SE00026EN
H2SW	SE00026EN
H2SW	SE00026EN
	H2SW H2SW H2SW H2SW H2SW H2SW

#### United States Of America

## Department of Transportation - Federal Abiation Administration

# Supplemental Type Certificate

Number SE00026EN

This Certificate issued to

Pratt & Whitney Engines Services, Inc. 249 Vanderbilt Ave. Norwood, MA 02062

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 33 of the Federal Aviation Regulations.

Original Product Type Certificate Number.

É1GL

Make:

Rolls Royce Allison Engine Company (Formerly Allison Engine)

Model :

250-C28, 250-C28B, 250-C28C, 250-C30, 250-C30S, 250-C30P, 250-C30M, 250-C30L, 250-C30R, 250-C30G, 250-C30U, 250-C30G/2,

and 250-C30R/1

Description of Type Design Change. Installation of Prart & Whitney Engine Services, Inc. Intellistant Plus 4TM Electronic Control Unit (ECU), P/N DPU-K-010 on the specified 250 engine models. Airframe installation of the Altair Avionics Corporation -AlliedSippal Aerospace IntelliStart Plus +TM to be accomplished in accordance with applicable airframe STC.

1) The IntelliStart Plus TM ECU is designed to limit start temperatures and to provide an Limitations and Conditions. electronic aid for recording engine trend and cycle data. 2) The IntelliStart Plus +TM ECU is designed as non-essential, ground use only equipment and cannot be used to replace pilot monitoring during start as required by FAA approved operating instructions for the aircraft. This system does not eliminate any Rotocraft Flight Manual monitoring requirements or limitations during engine starts or the requirement for manual recording of engine operating data required by the FAA approved operating specifications or maintenance programs. 3) This approval shall not be incorporated in any engines of these models on which other previously approved modifications are incorporated, unless it is determined that the inter-relationship between this change and any previously approved modification will introduce no adverse effect upon the airworthiness of those 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, revoked, or a termination date is other wise established by the Administrator of the Federal Aviation Administration.

Date of application December 07, 1998

Date of issuance: January 19, 2000

Date reissued August 21, 2002, October 22, 2007

Date amended.

By direction of the Administrator

(Signature)

Diane M. Cook

Manager, Engine Certification Branch

Aircraft Certification Office

(Title)

# 0

#### **MAJOR REPAIR AND ALTERATION**

orm Approved	Electronic Tracking Number
OMB No.	
2120-0020	
100/0044	

US Department	/ A :	rframa D-		inlant Dra	\n^	11 <b>~</b> =		dianco	Δ	2/28/2011		For FAA Use Only		
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Federal Aviation														
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for instruc	tions and di	t or type all ent sposition of th violation (49 U.	is fo	rm. This repo	ort is	₹§43 Freq	૩.૭, Part 4: quired by l	aw (49 L	uix B, a J.S.C. §	ани АС 43 §44701). Т	⊌-1 (or Failure	subsequent revision thereof) to report can result in a civil		
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	1 .	16L						51	1529					
1. Aircraft								Model	- LANTIN .			Series		
	Bell								206			L-3		
	Name (As	s shown on registra	ation	certificate)						own on regis				
0.0	пп	I, Inc.						Addre			ince 20	01 SE Evangeline Thruway State ւ դ		
2. Owner	F	i, iiio.						City Zip	,	yette	Соп			
								<u> </u>	70 <del>50</del>	0508-2156 Country USA				
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4. T	ype						5. U	nit Ident	ificatio	n				
Repair	Alteration	Unit		l	Make	9			Мо	del		Serial No.		
		AIRFRAME		(/				(As described in Item 1 above)						
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Name Address		ICOPTER TEX ONT DES MOU					S. Certificat preign Certif					Manufacturer Certificate No.		
City	LAFAYET		tate	LA	Х	_	ertified Repa	www.m.				B B1H2300N Limited Airframe		
Zip	70507		.S.A				ertified Main			ation	Lim	ited Specialized Services		
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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 national		
	N3116L Nationality and Registration Mark	05/09/2012 Date
NOMENCLATURE: KICK PANEL ORIGINAL PART NUMBER: 206-031-102-057 UPGRADED TO PART NUMBER: 206-031-102-153 SERIAL NUMBER: BCJ3563 WORK ORDER NUMBER: W183142AA		
OVERHAULED PANEL MENTIONED ABOVE IN TEXTRON, INC. FAA APPROVED OVERHAUL REVISION A, DATED 5/1/98 AND UPGRADE PROCEDURE PHI-450-OP-050 DATED 10/15/02, RE	PROCEDURE NUMBER D IN ACCORDANCE W	PHI-450-OP-002,
END		

Additional Sheets are Attached



FAA Form 337 (12-88)

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

and	dispos	ition of this form	. Thi	all entries. See FAR s report is required a 901 Federal Aviat	by law	(49 L	J.S.C. 1421). Fa	nd AC 43.9 ilure to rep	-1 (or subsequent ort can result in a	revision ti civil penal	hereof) for in ty not to exc	structions eed \$1,000	
		Make	11:					Model					
		Ве				206L-3							
1. Al	Serial No. 51529						,		y and Registration	Mark			
	31329								3116L		.,		
		Name (As sh	own	on registration cer	rtificate	)			As shown on regis		ertificate)		
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A. A	ency's	Name and Addr	ess			T	Kind of Agency			C. Certi	ficate No.		
						U.S. Certificated Mechanic			AIRFRAME, POWERPLANT				
		ım Helicop	ter	s, Inc.		Foreign Certificated Mechanic			& ACCESSORIES LIMITE				
		x 90808				X Certificated Repair Station			RADIO CLASS 1, 2, & 3				
La:	fayet	te, LA 70	509				Manufacturer	NO. HEER617E					
D.	have be	en made in acc	ordar	ralteration made to nce with the requir correct to the best	ements	of P	art 43 of the U.	n 4 above a S. Federal	and described on the Aviation Regulation	ne reverse ons and th	or attachmenat the inform	nts hereto nation	
Date							nature of Author	orized Indi	vidual .			***	
Date						0.9			$\sim 1$		Enu	Va.	
/	19 DEC 1991 James R. Glavards							EUF	VARDS				
7					7. Ap	prev	al for Return To						
Pui	rsuant to	the authority	give al Av	n persons specifie iation Administrati	ed below	the is	e unit identifie	d in item 4 D □ R	was inspected in	the mar	ner prescrit	ed by the	
<b>5</b> 1	1 1:	A Fit. Standards		Manufacturer		Insp	pection Authoriz	ation	Other (Specify)				
BY	FA	A Designee	Х	Repair Station		Can	son Approved by ada Airworthine	ss Group					
		oval or Rejection	1	Certificate or Designation No. HEER617E		Sigi	nature of Autho	orized Indiv	vidual	1	E	DWARDS'	

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.)

#### INSTALLED THE FOLLOWING EQUIPMENT

HODEL.	STATION	DRAWING NUMBER
1 ea. King KY196A VHF System 1 ea. King KT76A Transponder System 1 ea. ACK A-30 Blind Encoder System 1 ea. PHI 001L Mixer Box & ICS System 1 ea. RNAV 20/21 Loran System 1 ea. Avionics Master Circuit 1 ea. FF-40 FM Radio System 1 ea. DK100 Dukane Pinger	43.30 40.00 22.00 48.00 47.54 73.00 44.00 225.00	PHI-11368 PHI-206L1-11094 PHI-206L1-11094 PHI-11360 PHI-206B/L-11181 PHI-206L3-11698 PHI-11170 403-206L+B

The Dukane "pinger" is a self contained battery unit and does not use any aircraft systems. It is utilized as an aid in locating underwater wreckage of crashed aircraft.

Individual systems protected by following circuit breakers: VHF KY196 - 7.5 amp, KT76A - 3.0 amp, ACK A-30 - 3 amp, PHI mixer box/ICS - 5 amp, RMAV Loran - 5 amp, and FF 40 Radio - 5 amp.

Battery and generator are sufficient for electrical load according to AC43.12-2A, Para. 27D, Chapter 2.

Installation made to withstand loads as per AC43.13-2A, Chapter 1, Para. 2.

Wiring was installed in a suitable manner for protection against fuel, oil, water and other detrimental substances and abrasion damage AC43.13-2A, Chapter 2, Para. 27A-2.

Wires and cables are supported by insulated clamps to prevent chafing according to AC43.13-1A, Chapter 11, Section 7, Para. 518.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily inflammable parts of the aircraft. AC43.13-2A, Chapter 2, Para. 21A and 27E.

Equipment switches and circuit breakers placarded for radio installation as required AC43.13-2A, Chapter 2, Para. 27C (4).

Adequate means of inspection are provided for racks, related parts, equipment and adjacent components according to AC43.13-2A, Chapter 1, Para. 8.

Antenna installation located and installed similar to AC 43.13.2A, Chapter 3, paragraphs 36a and b and 38b. Also followed guides of paragraph 42.

Installation of Loran meets the requirements of Advisory Circular 20-121A, paragraph 7a1, 2, 3, 4, 5 and Appendix 1. Loran is a stand alone unit and for V.F.R. use only.

* For Transponder Certification:

I certify that Transponder, Part Number KT-76A, has been tested and inspected and found to comply with (FAR 91.413 and (FAR 43 Appendix F.)

* For Automatic Pressure Altitude Reporting Certification:

I certify that the installed Automatic Pressure Altitude Reporting System has been tested and inspected and found to comply with (FAR 91.411) and (FAR 43 Appendix E, paragraph C.)

Compass corrected as required.

Amended weight and balance as required.

END	

6
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
F	or FAA Use Only

Administration	on												
instruction	ns and disposi ation. (49 U.S.	ition of .C. §463	f this for 301(a))	rm. This report is requ	OFR uired	:48 d by	3.9, Part 43 / law (49 U.S	S.C. §44701). Fa	id AC illure	43.9- ⁻ to repo	1 (or sub rt can re	sequent revision thereof) for sult in a civil penalty for each	
	Nationality	•	≀egistra	ition Mark				Serial No. 51529					
1. Aircraft	N311 Make	6L			<del></del>		<u> </u>	Model				Series	
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	'		ı on rey	gistration certificate)				Address 2001	SE E	vange	line Thr	uwav	
2. Owner	PHI,	Inc.						Address 2001 SE Evangeline Thruway  City Lafayette State LA					
								zip 70508	-215	6	Coun	utry USA	
			-		3	. F	or FAA Use (	Only					
"The d	"The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in § 43.7"												
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		POW	ERPLA	NT		_							
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	l, Inc.				-  -	U. S. Certificated Mechanic Manufacturer  C. Cartificate No.							
	<u>D. Box 90808</u> ayette	3		State LA	-  -	Foreign Certificated Mechanic C. Certific  Certificated Repair Station			ncate No.				
	09-0808 coa	untry U	ISA	Otate L/1	- h	4	Certificated Repair Station  HEER617E  Certificated Maintenance Organization					HEER617E	
D. I certif	ify that the rep	pair and	d/or alte dance w nd correc	vith the requirements of ect to the best of my kn	of Pa nowl	art 4 ledg	lentified in ite 43 of the U.S ge.	em 5 above and	des	cribed o	on the rev	verse or attachments hereto at the information	
Extended ra per 14 CFR App. B			Sig	ignature/Date of Author  Author  JES	orize	d Ir	and the same of	N W B	EG.	NAC	UD.	7-12-12	
							al for Return				****	·	
Pursuant Administra	to the authorator of the Fe	ority gir deral A	ven pe	ersons specified belo Administration and is	ow,	the	unit identifi	ied in item 5 v	was	inspect Rejecte	ed in th	e manner prescribed by the	
1 1 I i	FAA Flt. Stand Inspector	lards	N	Manufacturer		Ма	intenance Or	ganization		Depar	tment of T	ed by Canadian ransport	
BY	FAA Designee	9	X R	Repair Station		Ins	spection Auth	orization	Othe	er (Spe	ecify)		
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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.	Descri	ption	of	Worl	∢ Ac	con	ıρl	lish	ed	

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

N3116L 7-12-12

Nationality and Registration Mark

Date

## L-3 Communications SKY497 Skywatch Traffic Advisory System Interfaced to a Garmin GNC-420W GPS

- 1. No equipment removed for this installation.
- 2. Installed an L-3 Communications Sky497 Skywatch interfaced to a Garmin GNC-420W GPS in accordance with PHI electrical diagrams no. PHI-206L-12763, Rev. B, PHI-206-12908, Rev. B, and PHI Picture & Sketch PHI-206L-PS-0036, Rev. G. "Option 1" of PHI-206L-12763 is being used for this installation.
- 3. Installed the following avionics components:

<u>MFG</u>	<u>Type</u>	<u>Description</u>	Station/Location	<u>C/B.</u>
L-3 Communications	TRC-497	Trans/Receiver Computer	202.00/Aft bag. Comp.	5.0 amp
L-3 Communications	NY-164	Directional Antenna	88.00/ Aft Servo Cowling	N/A

- 3. All Avionics circuit breakers are located in the aircraft manufacturer's supplied panels and are appropriately labeled. All wire used is MIL-W-22759 and MIL-W-27500 interconnect wire.
- These components were previously installed on an A23CE aircraft in accordance with STC SA00733CH.
- 5. These Avionics installations are in accordance with the manufacturers installation instructions as follows:

<u>MFG</u>	<u>TYPE</u>	Installation Manual Number	Revision
L-3 Communications	SKY-497	009-10800-001	Rev. G
Garmin	400W Series GPS	190-00356-02	Rev. G

6. All work accomplished in accordance with:

CHAPTER 11	SECTION 3-6	Electrical loading and protection.
CHAPTER 11	SECTION 8-17	Wire routing, marking and connecting.
CHAPTER 10	SECTION 1-2	Weight and balance considerations.
CHAPTER 1	PARA 106 - 111	Structural mounting data.
CHAPTER 2	PARA 202 - 206	Equipment physical mounting techniques.
CHAPTER 3	PARA 305 - 310	Antenna physical mounting techniques.
CHAPTER 1		Helicopter Electrical Specification and
THRU 12		Standard Practices Manual
	CHAPTER 11 CHAPTER 10 CHAPTER 1 CHAPTER 2 CHAPTER 3 CHAPTER 1	CHAPTER 11 SECTION 8-17 CHAPTER 10 SECTION 1-2 CHAPTER 1 PARA 106 - 111 CHAPTER 2 PARA 202 - 206 CHAPTER 3 PARA 305 - 310 CHAPTER 1

7. Work performed meets the requirements of Rotorcraft Airworthiness Standards for 14 CFR Part 27 of the following paragraphs:

paragrapus.	
27.1301	Equipment installed performs its intended function
27.1309(c)	Equipment installed is not a hazard in the event of a malfunction
27.1321	Arrangement and visibility
27.1351	Electrical loads does not exceed generator capacity
27.1357	Circuit device protection
27.1365	Electric cable type and load
27.1547	Compass system tested and corrected
27.1581(b)	Flight Manual Supplement provided if required
	•

- 8. Equipment list updated to reflect installation of this system.
- 9. Actual weight and balance complied with.
- 10. Compass system tested and corrected.

nec

- 11. EMC testing will be conducted in accordance with SKYWATCH Installation Manual for Qualitative EMI ground and flight test.
- 12. Electrical load does not exceed 80% of generator capacity.
- 13. An approved Rotorcraft Flight Manual Supplement No. PHI-959-206L3-SKY497-005, Revision 0 dated 2/13//2 or later revision is required for installation and must be carried on board when operating an L-3 Communications SKY497 SKYWATCH TRAFFIC ADVISORY SYSTEM.
- 14. Installation checkout, ground and flight tests are to be performed in accordance with L-3 Communications SKY497 Installation Manual and Garmin 400 Series Pilot's Guide Addendum. For additional installation details see PHI electrical diagram no. PHI-206L-12763, Rev. B, PHI-206-12908, Rev. B, and PHI Picture & Sketch PHI-206L-PS-0036, Rev. G.
- 15. Instructions for continued airworthiness PHI-915-206L-ICA-0018, Revision IR, dated February 2, 2012 are attached.

US Department
of Transportation
Federal Aviation
Administration

# MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number		
F	or FAA Use Only		
<u> </u>	of t 704 data daily		

(Airframe, Powerplant, Propeller, or Appliance) 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)) Nationality and Registration Mark Serial No. 51345 N363BH 1. Aircraft Series Model Make Bell 206 L-3 Address (As shown on registration certificate) Name (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafavette Country USA 70508-2156 3. For FAA Use Only "The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in § 43.7" Date: 3 PSI 13 FAA Inspector: _ cops s. Cocho-5. Unit Identification 4. Type Make Serial No. Repair Alteration Unit (As described in Item 1 above) AIRFRAME abla**POWERPLANT PROPELLER** Type APPLIANCE Manufacturer 6. Conformity Statement B. Kind of Agency A. Agency's Name and Address U. S. Certificated Mechanic Manufacturer PHI, Inc. Foreign Certificated Mechanic C. Certificate No. Address P: O. Box 90808 Lafayette State LA Certificated Repair Station City HEER617E 70509-0808 country USA Certificated Maintenance Organization Ζlρ 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 App. B Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Approved Administrator of the Federal Aviation Administration and is Rejected Persons Approved by Canadian FAA Flt. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization FAA Designee Х Repair Station Signature/Date of Authorized Individual Certificate or Designation No. HEER617E

FAA Form 337 (10-06)

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.

<ol><li>Description of W</li></ol>	ork Accomplished
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(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N363BH

Rationality and Registration Mark

N363BH

Date

## L-3 Communications SKY497 Skywatch Traffic Advisory System Interfaced to a Garmin GNC-420W GPS

- No equipment removed for this installation.
- Installed an L-3 Communications Sky497 Skywatch interfaced to a Garmin GNC-420W GPS in accordance with PHI electrical diagrams no. PHI-206L-13191, Rev. IR, Dated 20March2013, PHI-206-12908, Rev. C, Dated 26March2013 and PHI Picture & Sketch PHI-206L-PS-0036, Rev. G, Dated 04March2005. "Option 1" of PHI-206L-13191 is being used for this installation.
- Installed the following avionics components:

<u>MFG</u>	<u>Type</u>	<u>Description</u>	Station/Location	<u>C/B.</u>
L-3 Communications	TRC-497	Trans/Receiver Computer	202.00/Aft bag. Comp.	5.0 amp
L-3 Communications	NY-164	Directional Antenna	88.00/ Aft Servo Cowling	N/A

- All Avionics circuit breakers are located in the aircraft manufacturer's supplied panels and are appropriately labeled.
   All wire used is MIL-W-22759 and MIL-W- 27500 interconnect wire.
- These components were previously installed on an A23CE aircraft in accordance with STC \$A00733CH.
- 5. These Avionics installations are in accordance with the manufacturers installation instructions as follows:

<u>MFG</u>	<u>TYPE</u>	Installation Manual Number	Revision
L-3 Communications	SKY-497	009-10800-001	Rev. G
Garmin	400W Series GPS	190-00356-02	Rev. G

6. All work accomplished in accordance with:

III WOLK GOODINGING	neu in accordance w	ILII.	•
A.C. 43.13-1B	CHAPTER 11	SECTION 3-6	Electrical loading and protection.
•	CHAPTER 11	SECTION 8-17	Wire routing, marking and connecting.
	CHAPTER 10	SECTION 1-2	Weight and balance considerations.
A.C. 43.13-2B	CHAPTER 1	PARA 106 - 111	Structural mounting data.
·	CHAPTER 2	PARA 202 - 206	Equipment physical mounting techniques.
	CHAPTER 3	PARA 305 - 310	Antenna physical mounting techniques.
PHI ESM-I	CHAPTER 1		Helicopter Electrical Specification and
	THRU 12		Standard Practices Manual

 Work performed meets the requirements of Rotorcraft Airworthiness Standards for 14 CFR Part 27 of the following paragraphs:

27.1301	Equipment installed performs its intended function
27.1309(c)	Equipment installed is not a hazard in the event of a malfunction
27.1321	Arrangement and visibility
27.1351	Electrical loads does not exceed generator capacity
27.1357	Circuit device protection
27.1365	Electric cable type and load
27.1547	Compass system tested and corrected
27.1581(b)	Flight Manual Supplement provided if required

- 8. Equipment list updated to reflect installation of this system.
- 9. Actual weight and balance complied with.
- 10. Compass system tested and corrected.

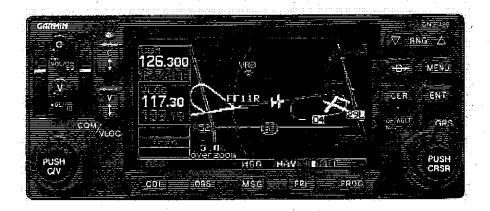
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<b>-</b>	Additional	Sheets	Are	Attache

- 11. EMC testing will be conducted in accordance with SKYWATCH Installation Manual for Qualitative EMI ground and flight test.
- 12. Electrical load does not exceed 80% of generator capacity.
- Installation checkout, ground and flight tests are to be performed in accordance with L-3 Communications SKY497
   Installation Manual and Garmin 400 Series Pilot's Guide Addendum. For additional installation details see PHI electrical diagram no. PHI-206L-13191, Rev. IR, PHI-206-12908, Rev. C, and PHI Picture & Sketch PHI-206L-PS-0036, Rev. G.
- 15. Instructions for continued airworthiness PHI-915-206L-ICA-0019, Revision 3, dated March 21, 2013 are attached.

# 400W SERIES INSTALLATION MANUAL

GPS 400W, GNC™ 420W/420AW, and GNS™ 430W/430AW

GNC and GNS are trademarks of Garmin Ltd. or its subsidiaries and may not be used without the express permission of Garmin.

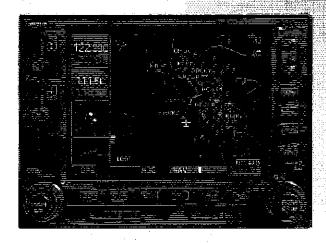




Garmin International, Inc.

## GARMIN

# 400W/500W/Series Display Interfaces





# Pilot's Guide Addendum

- L-3 STORMSCOPE® WX-500 Weather Mapping Sensor
- L-3 SKYWATCH® Traffic Advisory System (Model SKY497)
- L-3 SKYWATCH® HP Traffic Advisory System (Model SKY899)
- Bendix/King® KTA870 TAS/KMH880 Multi-Hazard Awareness System
- Ryan TCAD 9900B and 9900BX

This Pilot's Guide Addendum is written for:

- Garmin GPS 400W, GNC 420W/420AW, and GNS 430W/430AW Main System Software Versions 2.00, 3.00, and later
- Garmin GPS 500W & GNS 530W/530AW Main System Software Versions 2.00, 3.00, and later Some differences in operation may be observed when comparing the information in this manual to earlier or later software versions

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Garmin AT, Inc., 2345 Turner Rd., S.E., Salem, Oregon 97302, U.S.A.

Tel: 503/581.8101 Fax: 503/364.2138

Garmin (Europe) Ltd., Liberty House, Bulls Copse Road, Hounsdown Business Park, Southhampton, SO40 9RB, U.K. Tel. +44 (0) 870 850 1243 Fax +44 (0) 238 052 4004

Garmin Corporation, No. 68, Jangshu 2nd Road, Shijr, Taipei County, Taiwan Tel. 886/2.2642.9199 Fax 886/2.2642.9099

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January 2009

Part Number 190-00356-31 Rev. D

Printed in U.S.A.



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Bendix/King® is a registered trademark of Honeywell International, Inc.



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

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4 Almanatt	Bell						Model	206L-3			
1. Aircraft	Serial No.						Nation	ality and Registrati	on Mark	· · · · · · · · · · · · · · · · · · ·	
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			are			Model		Serial N	o. 	Repair	Alteration
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POWERPLANT											
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ROPELLER											
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APPLIANCE	Manufacture										<u> </u>
	, wandacture	31									
					6. Co	nformity Staten	ent				
. Agency's N	ame and Addi	ress			B.	Kind of Agency			C. Certif	licate No.	<del></del>
Petroleum	n Helicopte	ers,	Inc.		-	U.S. Certificated	Mechanic	:	Airframe.	, Powerplant, a	nd
P.O. Box							oreign Certificated Mechanic			•	
Lafavette.	LA 7050	9			X	Certificated Rep	Dair Station			ories Limited - Radio Class ad 3 - CRS No. HEER617E	
					<u> </u>	Manufacturer	<del> </del>				
			r alteration made to nce with the require correct to the best o				4 above . Federal	and described on t Aviation Regulation	he reverse ons and the	or attachmer at the inform	its hereto ation
ate					Sigi	nature of Autho	rized Ind	ividual			
4	1-22-	9	7			Mill		O. F.	3/11.		
				7. Ap	prova	l for Return To	Service	2 0 10			······
Pursuant to t	the authority r of the Federa	giver al Av	n persons specified iation Administration	belo n and	w, the	unit identified	in item	4 was inspected in	the mann	ner prescribe	d by the
FAA Inspe	Fit. Standards ector		Manufacturer		Inspe	ection Authoriza	tion	Other (Specify)			
FAA	Designee		Repair Station			on Approved by ada Airworthines					
ate of Approva	l or Rejection		Certificate or Designation No.		Sign	ature of Author	zed Indiv	vidual		<del></del>	
4-22	<b>2-9</b> 2		HEER617E			m. Do		4) Y.	3/	. /	i.

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.

Installed Co	ed, attach additional si	Valve Regula	ited Sealed Le	ead-Acid Ba	ttery in accor	rdance
accordance v	Crest Master Dr with STC SR0906	69RC.			en en en en en en en en en en en en en e	
	torcraft Flight Mal for Placard In				Flight Manua	al. See
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# DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

		(Alman	e, Powerplant, Pr	/ope	iller, or A	Appliance)			••••••				
IN: for	STRUCT instruct	ΓΙΟΝS: Print c ions and dispo	or type all entries. See osition of this form.	FAR	43.9, FAR	43 Appendix B, and	d AC 43.9-1 (o	r subsequent	revision (	thereof)			
		MAKE			<del></del>	MODEL							
1. AI	IRCRAFT	Be11	<u>L</u>				206L-3						
11	Nenn.	SERIAL NO.				NATIONAL	ITY AND REGI	STRATION M	ARK	<del></del>			
<del></del>			51345				97PT						
		NAME (As she	own on registration certif	ficate)			As shown on reg	nistration certi	Genta)	<del></del>			
2. 0	WNER		•				ola Avenue						
		Taylor	Energy Co.				leans,LA.		J				
					3. FOR FAA	USE ONLY	Leans, La.	/0112	*				
		T	4. UY	AIT ID	ENTIFICATIO	N			5.	TYPE			
U	TINU		MAKE			MODEL	SERIAL	. NO.	REPAIR	ALTER- ATION			
AIRFR	<b>LAME</b>	•••	********************************	(As de	oscribed in it	tem 1 above)	***************************************	**		7			
		<del> </del>								X			
POWE	ERPLANT												
PROPE	ELLER												
APPLIA	ANCE	MANUFACTURER											
		<u></u>		<u></u>	354568449	*		***					
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		mphis Stre		,		ICATED REPAIR STATION		AF45/00.	3412				
D. I	certify t	eans LA. 7	r and/or alteration mag		the unit(s	FACTURER			-	·			
81			e been made in accorda in furnished herein is tr					described on lederal Aviati	the reversion Regul	rse or ations			
DATE				-1	SIGNATUR	RE OF AUTHORIZED	INDIVIDUAL						
		7-25-90			Pa	In Jug	191						
			7. 1	APPROV	VAL FOR RE	TURN TO SERVICE		M-71-		<del></del>			
Pursu	iant to the	he authority gi	iven persons specified b deral Aviation Administ	balanı			vas inspected in	a the manner	prescribe	d by			
8Y -	1	FLT. STANDARDS ECTOR	MANUFACTURER			AUTHORIZATION	OTHER (Specify)						
		DESIGNEE	REPAIR STATION		OF AIRCRAFT	ORT INSPECTOR							
EJECTI		ROVAL OR -90	CERTIFICATE OR DESIGNATION NO IA437863472	).		e of authorized							

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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.

Bell 206L-3 N9	1 <b>9</b> 7pπ 7_1	25-90						
PETT FOOT-2 No	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-5 70						
Installed Aer L/H and R/H,46 balance and ed	each in a	accordance	with SI	CC #SH19	90SO.Re	vised we	or openers eight and	
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# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions
morrison interesting an entires. See that 40.9, that 40 Appendix B, and AO 40.3-1 (of subsequent revision thereof) for instructions
and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000
for each such violation (Section 901 Federal Aviation Act of 1958).

fo	r each suc	ch violation (Se	ctio	n 901 Federal Avia	tion A	ct of 1	958).		eport can result in	a civii perie	iny nor to ext	σοου ψ1,000	
		Make Be	11					Model	206L-:	3			
1. A	Aircraft	Serial No.						Nationality and Registration Mark					
		515	529	9				N3116I.					
		Name (As sho	own	on registration ce	rtificat	e)		Addres	s (As shown on reg		ertificate)		
2. C	)wner	Safeco	Cı	redit Comp	any,	, In	nc.		eco Plaza ttle, WA	98185	;		
						3. F	or FAA Use O	nly		-	·		
		·									·		
		Ţ				4. U	init Identification	on			5. Type	1	
	Unit	·	Ma	ke			Model		Serial No	<b>)</b> .	Repair	Alteration	
AIRF	RAME	•••	•••	•••••••••(/	As des	cribed	in Item 1 abov	e) ••••				х	
POW	ERPLANT		,			**				-			
PROF	PELLER												
APPL	IANCE	Type Manufacturer											
					6	. Con	formity Statem	ent				·	
4. A	gency's N	ame and Addre	ss			В. К	ind of Agency			C. Certi	licate No.		
Do:	trolo	ım Volice	~~4				U.S. Certificated			Airframe	, Powerplan	it, &	
P.(	O. Box	90808	υpι	ters, Inc.		132	Foreign Certifica		·	Accessor	ies Limited	1	
La	fayett			509		-	Certificated Repairs	air Station	<u> </u>	CRS No.	ass 1, 2, & HEER617E	: <b>3</b>	
	have beer	n made in accor	dan	ralteration made to ice with the require correct to the best	ments	it(s) id of Par	lentified in item rt 43 of the U.S	4 above . Federal	and described on the Aviation Regulation	ne reverse	or attachmer	nts hereto lation	
Date						Signa	ature of Author	rized Ind	ividaal				
	03-15	-94				\ C	Mile G	Met	calf				
					7. Ap	proval	for Return To	Service	$\overline{}$			· · · · · · · · · · · · · · · · · · ·	
Pur Adr	rsuant to t ministrator	the authority gi r of the Federal	iven Avia	persons specified ation Administratio	below n and	v, the	unit identified 図 APPROVED	in item □ R	4 was inspected in	the mann	ner prescribe	ed by the	
ıy	FAA Inspe	Flt. Standards ector		Manufacturer		Inspec	ction Authorizat	ion	Other (Specify)				
'	FAA	Designee X		Repair Station		Person Canad	n Approved by ⁻ da Airworthines:	Fransport s Group	<b>t</b>				
	of Approva	al or Rejection		Certificate or Designation No. HEER617E		Signa	ture of Author	ized Indi	vidual				
		<u> </u>											

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.

· (4)

8. Descripti (If more s	on of Work Accomplished space is required, attach additional sheets. Identify w	vith aircraft r	nationality and registration mark and date work completed.)
	Installed Aeronautical Accessories reservoir assembly on emergency SR00175AT.	s, Inc., li flotatior	ightweight, replacement, nitrogen, n system in accordance with STC
		END	

# NOT INSTALLED

☐ Additional Sheets Are Attached



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

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For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

for each suc	h violation (Sectio T Make	n 901 Federal Avia	tion Act	t of 1958).	Model				
l Alma	Bel	1 .			Iviodei	206L-3			
1. Aircraft	Serial No.	345	<del></del>						
	<del>                                     </del>	on registration ce	rtificate	)	Address	N363BH (As shown on reg		ertificate)	
2. Owner	F	Petroleum Helio	copter	s, Inc		113 Born	nan Driv	vė	
						Lafayette	e, LA 7	0508	
				3. For FAA Use	e Only				
				4. Unit identifi	cation			5. Type	
Unit	M	ake		Model		Serial No	).	Repair	Alteration
AIRFRAME	••••	•••••••••••••••••••••••••••••••••••••••	As desc	ribed in Item 1 a	ibove)	•••••			X
POWERPLANT								:	
PROPELLER									
APPLIANCE	Type Manufacturer								
A. Agency's N	ame and Address			B. Kind of Age			C Certi	ficate No.	
	Helicopters,	Ina	<del></del>	<del>                                     </del>	cated Mechanic	<u> </u>	1	. Powerplant, a	<del></del>
P.O. Box	• •	inc.		Foreign Cer	tificated Mech	anic	ł	, rowerplant, a ies Limited - R	
	LA 70509			X Certificated  Manufacture	Repair Station			3 - CRS No. H	
have beer	n made in accorda	or alteration made to nce with the required correct to the best	ements	it(s) identified in of Part 43 of the	item 4 above	and described on t Aviation Regulation	he reverse ons and th	or attachme at the inform	nts hereto nation
Date	<del>,</del>			Signature of A	uthorized Ind	ividual	<del></del>		
30 p	Ge, 199.	5		James	R. G	lund		EDWA	RDS
				proval for Return				· · · · · · · · · · · · · · · · · · ·	
Pursuant to Administrato	tne authority give r of the Federal Av	n persons specifie viation Administrati	d belovi ion and	v, the unit identi is 📉 APPRO		4 was inspected in REJECTED	n the man	ner prescrib	ed by the
Insp	FIt. Standards ector	Manufacturer		Inspection Author	orization	Other (Specify)	-		
FAA	Designee X	Repair Station		Person Approved Canada Airworth		•			<b>x</b>
Date of Approv	al or Rejection	Certificate or Designation No. HEER6171	. (	Signature of Au	thorized Indi	vidual	7)	EDWA	Phe
A6 Form 337		III.L.KU1/1	لِـــــــــــــــــــــــــــــــــــــ	Jumes	7.6	Amanda	<u> </u>		" (CH. "

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.

Installed Lintton LCD Turbine Of with STC SH1030NE.	utlet Ter	nperature I	ndicator i	n accorda	nce MV 857	Ĭ
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FAA Approved Flight Manual Su	upplemer	nt dated Fe	bruary 25	5. 1993, is	s.	
required for this installation.				•		
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# US Department of Transportation Federal Aviation Administration

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

Form Ap	proved	
OMB N	o. <b>2120</b> -	0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for in

1. Aircraft	Make Bel	1					Model 20	6L-3			
	Serial No. 513				Nationality and Registration Mark N363BH						
	Name (As s/	אסל	vn on registration ce	rtifica							
2. Owner	Petr	ole	eum Helicopters	, Inc	<b>;</b> .			3 Borman Driv		·	
-							La	fayette, LA 70	0508		
					3.	For FAA Use Or	ıly				
The da	a identified	he	rein complies wi	th ap	plic	able airworthii	ness rec	quirements and	is appro	ved for the	above
•	lescribed air	Cr	aft subject to con	form	ity i	nspection <b>l/</b> y a	person	authorized in I	AR 43, 9	Section 43.7	7.
Date	5/29/	7	/ F	AA I	nspe	ector: Len	D	L6_		SW-BTR-F	
					4.	Unit dentification	No.			5. Type	
Unit		٨	1ake			Model		Serial No	o.	Repair	Alteratio
AIRFRAME	~~	···	·····························(/	As de:	scrib	ed in Item 1 above	9) •••••	***************************************			X
POWERPLANT											
PROPELLER				***	· · ·			·			
	Туре							· · · · · · · · · · · · · · · · · · ·			
PPLIANCE	Manufacturer	,									
_					6. C	onformity Stateme	ent		<del></del>		
	ame and Addre					Kind of Agency			C Certi	ficate No.	***
	Helicopters	, I	nc.			U.S. Certificated	Mechanic		<del>                                     </del>		
P.O. Box 9	=				Foreign Certificated Mechanic				Airframe, Powerplant, and  Accessories Limited - Radio Class		
Lafayette, ?	LA 70509				X Certificated Repair Station						
			or alteration made to nce with the require correct to the best				4 above a Federal	and described on the Aviation Regulation	·	- CRS No. HE or attachmen at the inform	
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4-	5-94					Cal	FM)	,			
						al for Return To S					
Pursuant to the Administrator	ne authority good the Federal	ive Av	n persons specified iation Administratio	belo n and	w, the	e unit identified i	n item 4	was inspected in	the manr	ner prescribe	d by the
FAA F Inspe	It. Standards ctor		Manufacturer		Insp	ection Authorization	on	Other (Specify)	······································		
FAA	resignee	X	Repair Station		Pers Can	on Approved by Tada Airworthiness	ransport Group				
to of America	or Rejection		Certificate or		Sign	ature of Authoriz	ed Indiv	idua!		· · · · · · · · · · · · · · · · · · ·	

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.)

Installed rack manufactured from 2024T3 aluminum sheet and aluminum angles with the following exception: the depth of the rack was cut back by 4" and the radio transceivers shelf was removed. See PHI Drawing Number 400-206. Located rack to left hand nose of aircraft picking up existing mounting points and located others as necessary to mount rack. Secured with approved fasteners. Rack provides mounting for tiedown kit, ELT, and certain radio transceivers.

Structure will withstand required loads as per AC 43.13-2A, chapter 1, paragraph 2. Fabrication is consistent and compatible with aircraft structure as per AC 43.13-2A, chapter 1, paragraph 5. Materials and fasteners are all of approved types according to AC 43.13-2A, chapter 1, paragraphs 4 and 5. Parts are protected from corrosion and do not interfere with required inspection.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily inflammable parts of the aircraft, AC 43.13-2A, chapter 2, paragraphs 21a and 27e.

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, chapter 1, paragraph 8.

Amended weight and balance as required.

FND

US Department
of Transportation
Federal Aviation
Administration

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number									
For FAA Use Only										
-	<u>-</u>									

US Dep of Trans Federa	US Department of Transportation Federal Aviation Administration												11/30/2007 For FAA Use Only				
instru	ictions a	and dispos	t or type a sition of this .C. §46301	s form.	ies. See Title 14 . This report is re	CFI equir	R § ed b	43.9, Part 43 by law (49 U.	Append S.C. §44	dix B, a 701). F	nd Ad ailure	C 43.9 to rep	·1 (or sul ort can re	bsequent r esult in a c	evision the ivil penalty	reof) for for each	
	·'iii'	Nationalit N236	y and Regi SPH	istratio	n Mark	ark				Serial No. 51345							
1. Aircı	raft	Make Bell							Model 206					Series L-3			
		Name (A	s shown on	regist	ration certificate)	1			Address (As shown			n on re	gistration	certificate)	)		
2. Own	er	PHI,	lnc.						Address Quality Assurance 2001  City Lafayette  Zip 70508-2156 Cour					SE Evangeline Thruway  State LA  niry USA			
					·	_	3. F	or FAA Use									
												_					
	4. Type			=				Jnit Identific	ation					<del> </del>		_	
Repa	air A	Alteration	Uni	t		Mal	ke				Мо	-		-	Serial No	o	
		<b>✓</b>	AIRFRAM	1E					(As described in Item 1 above)					_			
			POWERF	PLANT													
			PROPELLER														
			APPLIAN	CE	Type Manufacturer												
A Agon	oulo Mo	ma and A	ddrooo			6.		nformity Sta							_		
	PHI, Ind	me and A	uoress					Kind of Agend U. S. Certific		hanic			Mai	nufacturer			
Address P. O. Box 90808							Foreign Certificated Mechanic					C. Certificate No.					
City         Lafayette         State         LA           ZIp         70509-0808         Country         USA							<b>√</b>	Certificated I			HEER617E						
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Pursu	ant to	the autho	ority given	perso	ns specified be			al for Return unit identif			was	inspect	ed in th	e manner	prescribed	by the	
	nistrator	of the Fed	deral Aviation		ninistration and is				Appro			Rejecte	d				
BY -	I .	Flt. Stand	aros	Manufacturer Maintenance Organization Department of Tra  Other (Specify)							ed by Canad ransport	ndII					
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Certifica Designa	tion No.	ER617E		Signa	ilure/Dale of Auli	noriz	ed l	ndividual	BULL	cho t	#	<u>-</u>			AUG	0 8 2013	
FAA F	orm 33	7 (10-06)			1		NOV.					_					

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.

<ul> <li>Accessories, Inc. STC SH7608SW and Installation Instructions Report Number AA-91047, Revision M, dated December 11, 2007.</li> <li>Installed Rubber Mounted Crew Flat Window Assembly in accordance with Bell Helicopter Textre Inc. STC SH5773SW and Aeronautical Accessories, Inc. Installation Instructions Report Number AA-91020, Revision G, dated February 10, 2012.</li> </ul>			N236PH		AUG 0 8 2013
<ol> <li>Installed passenger door rubber mounted wedge windows in accordance with Aeronautical Accessories, Inc. STC SH5685SW and Installation Instructions Report Number AA-91040, Revisir F, dated March 3, 2003.</li> <li>Installed litter door and fixed panel rubber mounted windows in accordance with Aeronautical Accessories, Inc. STC SH7608SW and Installation Instructions Report Number AA-91047, Revisir M, dated December 11, 2007.</li> <li>Installed Rubber Mounted Crew Flat Window Assembly in accordance with Bell Helicopter Textre Inc. STC SH5773SW and Aeronautical Accessories, Inc. Installation Instructions Report Number AA-91020, Revision G, dated February 10, 2012.</li> <li>Installed skylights in accordance with Aeronautical Accessories, Inc. STC SH1664SO and Installation Instructions Report AA-90021, Revision E, dated April 2, 1998.</li> <li>Compass corrected as required.</li> <li>Actual weight and balance complied with.</li> </ol>			Nationality and Regis	tration Mark	Date
<ol> <li>Installed passenger door rubber mounted wedge windows in accordance with Aeronautical Accessories, Inc. STC SH5685SW and Installation Instructions Report Number AA-91040, Revisir F, dated March 3, 2003.</li> <li>Installed litter door and fixed panel rubber mounted windows in accordance with Aeronautical Accessories, Inc. STC SH7608SW and Installation Instructions Report Number AA-91047, Revisir M, dated December 11, 2007.</li> <li>Installed Rubber Mounted Crew Flat Window Assembly in accordance with Bell Helicopter Textre Inc. STC SH5773SW and Aeronautical Accessories, Inc. Installation Instructions Report Number AA-91020, Revision G, dated February 10, 2012.</li> <li>Installed skylights in accordance with Aeronautical Accessories, Inc. STC SH1664SO and Installation Instructions Report AA-90021, Revision E, dated April 2, 1998.</li> <li>Compass corrected as required.</li> <li>Actual weight and balance complied with.</li> </ol>					•
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<ul> <li>Inc. STC SH5773SW and Aeronautical Accessories, Inc. Installation Instructions Report Number AA-91020, Revision G, dated February 10, 2012.</li> <li>4. Installed skylights in accordance with Aeronautical Accessories, Inc. STC SH1664SO and Installation Instructions Report AA-90021, Revision E, dated April 2, 1998.</li> <li>Compass corrected as required.</li> <li>Actual weight and balance complied with.</li> </ul>	Accessories, Inc.	STC SH7608SW and Ins			
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Actual weight and balance complied with.	, ,				
	Compass corrected as	required.			
- 集建旅	Actual weight and bal	ance complied with.			
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### **UNITED STATES OF AMERICA** DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE 2 MANUFACTURER AND MODEL 1 NATIONALITY AND REGISTRATION MARKS 3 AIRGRAFT SERIAL NUMBER 4 CATEGORY Bell Helicopter Textron 206L-3 N233BH 51529 **NORMAL** 5 AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to 49 U.S.C. § 44704 and certifies that, as of the date of issuance, this aircraft has been inspected and found to conform to its type certificate and be in a condition for safe operation. This aircraft meets the requirements of the applicable airworthiness standards in Annex 8 to the Convention on International Civil Aviation, except as follows: None 6 TERMS AND CONDITIONS Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the FAA, this airworthiness certificate is effective as long as maintenance, preventative maintenance, and alterations are performed per the applicable Federal Aviation Regulations and the aircraft is registered in the United States. DATE OF ISSUANCE FAA REPRESENTATIVE DESIGNATION NUMBER R 18 Nov 1991 ODA-AFS-831285-SW Wayne C. Pipkins reno Any alteration, misuse, or reproduction of this certificate toy's fraudulent purpose may be purishable by certificate revocation, fine, and / or imprisonment.

THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT PER THE APPLICABLE FEDERAL AVIATION REGULATIONS.

06/05/2018 R. Lavergne

FAA Form 8100-2 (11-2016) Previous Edition Dated 04-11 May be Used Until Depleted

**REGISTRATION NOT TRANSFERABLE** UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
CERTIFICATE OF AIRCRAFT REGISTRATION This certificate must be in the aircraft when operated. AIRCRAFT SERIAL NO. NATIONALITY AND REGISTRATION MARKS N 233BH 51529 MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT 206L-3 ICAO Aircraft Address Code: 50411706 This certificate is issued for registration purposes PHI AVIATION LLC 2001 SE EVANGELINE TRWY only and is not a S S certificate of title. **LAFAYETTE LA 70508-2156** Ū The Federal Aviation E Administration does not determine rights of ownership as between private T persons. 0 LLC It is certified that the above described aircraft has been entered on the register of the Federal Aviation Administration, United States of America, in accordance with the Convention on International Civil Aviation dated December 7, 1944, and with Title 49, United States Code, U.S. Department and regulations issued thereunder. of Transportation September 5, 2019 DATE OF ISSUE **Federal Aviation** 

**ADMINISTRATOR** 

Administration

AC Form 8050-3 (10/2010) Supersedes previous editions

EXPIRATION DATE September 30, 2022



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

Form Approved
OMB No. 2120-0020
For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

	n such violation (Secti					<del></del>	Model						
1. Aircraft	Be	الد					Model		206L-3				
I. Allvian	Serial No.		М		Nationality and Registration								
		1345					N363BH						
		vn on registration ce		, and the second of region and continuous,									
2. Owner		Petroleum Helio	copte	rs, Ir	n	c			113 Borr	nan Dri	ve		
									Lafayette				
				3.	F	or FAA Use Or	nly		<u> </u>	<u>',</u>			
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			4. 1	U	nit Identification	on				5. Type			
Unit		Make				Model			Serial No	).	Repair	Alteration	
AIRFRAME	RFRAME (As des				d	in Item 1 abov	e)	****				X	
POWERPLA	NT				_					· .			
PROPELLER									7.7				
	Туре		<u></u>						٠.		• .	ļ. — —	
APPLIANCE	LIANCE Manufacturer												
				6. Co	- ní	formity Statem	ent				<u> </u>		
A. Agency'	's Name and Address				B. Kind of Agency					C. Certi	ficate No.	<del></del>	
Petrole	eum Helicopters,	Inc		<u>'</u>	U.S. Certificated Mechanic						, Powerplant, ar		
	ox 90808	IIIC.			Foreign Certificated Mechanic								
				X	A Certificated Repair Station					1	cessories Limited - Radio Class		
	tte, LA 70509					Manufacturer				<u> </u>	3 - CRS No. HI		
maye L	fy that the repair and/o been made in accorda hed herein is true and	ance with the require	ements	s or Pa	'arı	T43 OF THE LLS	4 above a . Federal	and de: Aviatio	scribed on th on Regulation	ne reverse	or attachmer at the inform	nts hereto ation	
Date						ature of Author	rized Indi	vidual					
1-	- 24-96	, 2			•-	Yes.	014	/	•				
	9//	<u>'</u>	7 A	Drovs		for Return To	Samina	<u>Um</u>	<u></u>		·		
Pursuant Administr	to the authority give rator of the Federal Av	n persons specifier	d belov	w. the	e u		in item 4	was i	inspected in	the man	ner prescribe	ed by the	
F	FAA Fit. Standards	Manufacturer		T		ction Authorizat			er (Specify)				
3Y	FAA Designee X	Repair Station	+	Perso Cana	or ad	n Approved by 1 da Airworthiness	Fransport		a troop				
ate of App	roval or Rejection	Certificate or	—_			ture of Authori		idual			-		
		Designation No.		1			S						

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.)

#### NARCO ELT 10 (206L-3)

Installed a Narco emergency locator transmitter ELT 10 and rack at Station 20 on the top shelf of the avionics aircraft tiedown rack. Installation done according to AC 43.13-2A, chapter 2, paragraph 28 of the Narco Owner's Manual and PHI Drawing Number 411-206L.

Whip antenna was installed onto the top of the battery door at Station 16 according to AC 43.13-2A, chapter 2, paragraph 28 of the Narco Owner's Manual and PHI Drawing Number PHI-206-SER-504.

Remote switching added and located to instrument panel and secured with approved fasteners. See PHI Drawing Numbers 409-206L and PHI-206L1-12025.

Structure will withstand required loads as per AC 43.13-2A, chapter 1, paragraph 2. Fabrication is consistent and compatible with aircraft structure as per AC 43.13-2A, chapter 1, paragraph 5. Materials and fasteners are all of approved types according to AC 43.13-2A, chapter 1, paragraphs 4 and 5. Parts are protected from corrosion and do not interfere with required inspection.

Equipment is located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43-13-2A, chapter 2, paragraphs 21a and 27e.

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, chapter 1, paragraph 8.

Attaching hardware conforms to AC 43.13-2A, chapter 1, paragraph 6.

Installation does not affect the safe operation of the aircraft according to AC 43.13-2A, chapter 1, paragraph 10.

Compass corrected as required.

Amended weight and balance as required.

This modification is in accordance with data previously approved on FAA Form dated September 26, 1991, for Bell 206L-3, N3108E, Serial Number 51498 and approved for duplication on identical make, model, and altered configuration when accomplished by the original modifier.

200	
88 58 5 ° 6 8	

US Department of Transportation Federal Aviation Administration

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

Form	App	roved	
OME	No.	2120-	0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty posts a great fit age.

<del></del>	T	ction 901 Federal A	· · · ·	ACI 01 1956).						
	Make				Model					
1. Aircraft	Bell Serial No.				206L-3					
	5134	E		Nationality and Registration Mark						
		own on registration	certific	atel		863BH				
				•		s (As shown on re		certificate)		
2. Owner	Petrol	eum Helicopte	rs, Inc	<b>;</b> .	l l	3 Borman Driv		•		
	<u> </u>	·			La	fayette, LA 70	)508			
·				3. For F	A Use Only					
				4. Unit lo	entification			5. Type	<del></del>	
Unit		Make		Mc	del	Serial No				
			·		-	Serial IV	J.	Repair	Alteration	
AIRFRAME	•••	*************	⊷ (As de	scribed in Ite	m 1 above)	•••••			**	
<del></del>						•		X		
POWERPLANT										
OWENI EAN			İ					1	İ	
PROPELLER										
	Tuno			·						
	Туре									
APPLIANCE	Manufacturer		4							
				6. Conformi	ty Statement			<del></del>		
	ame and Address			B. Kind o	Agency		C. Certif	icate No.		
	Helicopters,	Inc.			ertificated Mechanic	Airframe, Powerplant, and				
P.O. Box 9	80808	•			n Certificated Mecha	_				
Lafayette,	LA 70509	* .			cated Repair Station	Accessories Limited - Radio Class				
D. Loortify th	at the reaction and	/II		<del></del>	acturer	1, 2, and 3 - CRS No. HEER617E				
					ed in item 4 above	and described on th Aviation Regulation	ne reverse	or attachmer	nts hereto	
	herein is true an	d correct to the be	st of my	knowledge.	r the O.S. Federal	Aviation Regulation	ons and the	at the inform	ation	
ate				Signature	of Authorized Indi	ividual				
Ψ.	11-9	ク		m	The second	0/4	1/			
<u> </u>			7.4	///	um -	T. A.	<u> </u>			
Pursuant to the	ne authority give	en persons specifi			eturn To Service	•				
Administrator	of the Federal A	viation Administra	tion and	is XX AP	PROVED B	4 was inspected in EJECTED	the mann	er prescribe	d by the	
	it. Standards	Manufacturer		Inspection 4	uthorization	Other (Specify)				
Y Inspec		<u> </u>		spection /						
FAAT	esignee X	Repair Station		Person App	oved by Transport orthiness Group					
		<del></del>		Canada Aliv	orumess Group	<b>!</b>			i i	
ate of Approval	or Rejection	Certificate or Designation No.		<del></del>	f Authorized Indiv	ridual	2.1			

Weight and balance or operating limitation changes shall be ente compatible with all previous alterations to assure continued con	and in the engropriste aircraft record. An alteration must be
Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircra	
Installed Aeronautical Accessories, Inc. Night SH1312SO.	Scanner in accordance with STC Number

☐ Additional Sheets Are Attached

#### **MAJOR REPAIR AND ALTERATION**

(Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No.	Electronic Tracking Number
2120-0020	
2/28/2011	
	For FAA Use Only

051	Jepartment
of T	ransportation
Fed	ieral

Federal Aviation		·		•	-						
for instruc	CTIONS: Print ctions and di	sposition of thi	is fo	rm. This repo	CFR ort is	R §43.	9, Part 4 iired by I	3 Appendix B, aw (49 U.S.C.	and AC 43 §44701). F	.9-1 (or Failure	subsequent revision thereof) to report can result in a civil
penalty fo		violation (49 U.		§46301(a))							
	Nationality	and Registration	Mark					Serial No.			
	N31	16L						51529			
1. Aircraft	t Make							Model			Series
	Bell							206			L-3
	Name (As	shown on registra	etion i	certificate)				Address (As st	own on reals	tration ce	
	Ivallie (As	snown on registre	allOll	ooninoale)							01 SE Evangeline Thruway
2. Owner	PH	I, Inc.								ance zu	State I A
Z. Owner		,							avette	Cou	ntry USA
								Z-IP 705	08-2156		"" USA
					3.	For F	AA Use	Only			
4.	Туре				-		5. U	nit Identificati	on		
							T		1 - 1		O a vial NI a
Repair	Alteration	Unit			Make	e 		Model			Serial No.
		AIRFRAME		(As described in Item 1 above)							
		POWERPLAN	VT								
		PROPELLER									
		APPLIANCE	Type APPLIANCE								
				Manufacture	r						
		L			6. C	onfo	rmity Sta	tement			
A Agency	y's Name and	Address					of Agency				
Name		ICOPTER TEX	(TR	ON. INC.		T		ted Mechanic			Manufacturer
Address		NT DES MOU			Foreign Certificated Mechanic					C. C	Certificate No.
City	LAFAYET		tate	LA	Х						B1H2300N Limited Airframe
Zip	70507		.S.A			Cert	ified Mair	tenance Organ	zation	Lim	ited Specialized Services
D. I certi	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 per 14 CF			Sig	nature/Date o	f Au	thoriz	ed Indivi	dulal	1 - 4	/5/	
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				<i>'</i> .	App	orova	i for Ret	urn I q Service			
		ity given persorederal Aviation				e unit			inspected i		anner prescribed by the
BY	FAA Flt.	Standards or		Manufacture	r		Maintena	nance Organization			Persons Approved by Canadian Department of Transport
	FAA De	signee	х	Repair Station	on		Inspection	n Authorization	. /	Other	(Specify)
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Designation			oig	nature/Date o	ı Aü	ITTOFIZ	.ea inaivi	uuai // /	// /	1.	/
B1H2300N				SON PICARD				/ <i>X</i> /	1/10/	/9/	, //

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 nation	nality and registration mark and date work co	ompleted.)
	N3116L	05/09/2012
	Nationality and Registration Mark	Date
NOMENCLATURE: NOSE FAIRING ORIGINAL PART NUMBER: 206-031-124-111 SERIAL NUMBER: BCSG103 WORK ORDER NUMBER: W179419AA		
OVERHAULED PANEL MENTIONED ABOVE IN TEXTRON, INC. FAA APPROVED OVERHAUL PR 4/29/98.		
END		

☐ Additional Sheets are Attached

**MAJOR REPAIR AND ALTERATION** 

F	orm Approve
(	OMB No.
	2120-0020
	110012044

Electronic Tracking Number

OMB No. 2120-0020 2/28/2011		
	For FAA Use Only	

US Departmen of Transportati		Airframe, P	owe	rplant, Pr	ope	elle	r, or Ap	pliance)		F	or FAA Use Only
Federal											
Aviation Administra							_				
for instru	uctions and	int or type all el disposition of t h violation (49 t	his fe	orm. This rep	CF ort i	R §4 is re	13.9, Part 4 equired by	l3 Appendix I law (49 U.S.0	3, and AC 43.9 C. §44701). Fa	-1 (or suilure to	ubsequent revision thereof) report can result in a civil
		lity and Registratio						Serial No.			
	7 (4 )	36PH	I Wan	`				Ochdi No.	51345		
1. Aircra		JOI.11					<del></del> -	Model	<del></del>	Se	ries
	Be	11							206		L-3
Name (As shown on registration certificate)							Address (As shown on registration certificate)				
	PH	I, Inc.									line Thruway
2. Owner		aĺity Assu	ran	ce					<u>Lafayette</u> 70508	Countr	State <u>LA</u> USA
	ļ							Zip	פטכטיז	Counti	y <u>USA</u>
					3	. Fo	r FAA Use	Only			
									, <del>.</del>		
4.	Туре			<del></del>	-		5. U	nit Identifica	tion		
Repair	Alteration	n Unit			Mak	æ		Model			Serial No.
		AIRFRAME			,			(As described in Item 1 above)			
		POWERPLA	NT								
		PROPELLE	₹								
		APPLIANCE		Туре							
				Manufacture	er						
						6	- '4 - 04	<u> </u>			
A Agone	y's Name ar	d Addross					ormity Sta Lof Agency				
Name		LICOPTER TE	XTR	ON, INC.	J			ed Mechanic	·	M	anufacturer
Address		ONT DES MOL						icated Mechan	ic	C. Certi	ificate No.
City	LAFAYE	TTE S	tate	LA	Х		rtified Repa				1H2300N Limited Airframe
Zip	70507	_ Country _L	J.S.A	b=		Ce	entified Main	tenance Orgai	nization	Limite	d Specialized Services
have	been made	epair and/or alter in accordance w s true and correc	th the	e requirements	of F	art 4	43 of the U.	m 5 above and S. Federal Avi	d described on the ation Regulation	he revers	se or attachments hereto nat the information
Extended range fuel Signature/Date of Authorized Individual per 14 CFR Part 43											
Арр. В				7.	App	rov	al for Retu	ırn To Şekvie	e	1 10	· · · · · · · · · · · · · · · · · · ·
Pursuant	to the autho	rity given perso ederal Aviation	ns sp	pecified below	, the		t identified	<i>\bigcellim</i> _		ne mann	ner prescribed by the
		t. Standards	Auiil	Manufacture				nce Organiza		Pe	rsons Approved by Canadian epartment of Transport
BY	FAA De		х	Repair Station	on l		Inspection	n Authorizatio	n /	ther (Sp	pecify)
Certificate Designation	 ∋ ο <b>г</b>	<u> </u>		nature/Date o		thori			1/1/	1/0	//,
B1H2300N JASON PICARD							//				

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be

8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft nation	onality and registration mark and da	te work completed.)
	N236РН	AUG 0 9 2013
	Nationality-and-Registration-	Mark Date
NOMENCLATURE: NOSE FAIRING ORIGINAL PART NUMBER: 206-031-124-111 SERIAL NUMBER: BP0000295 WORK ORDER NUMBER: W189746AA		
OVERHAULED PANEL MENTIONED ABOVE IN TEXTRON, INC. FAA APPROVED OVERHAUL PR 4/29/98.	ROCEDURE NUMBER	PHI-450-OP-024 DATED
END		
	r	

□ Additional Sheets are Attached

#### **MAJOR REPAIR AND ALTERATION**

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

Electronic Tracking Number

US Department of Transportation	, (A	irframe, Po	we	rplant, Pro	ope	lle	r, or Ap	pliance)			For FAA Use Only
Federal Aviation Administration	on										
INSTRUC	TIONS: Prin	t or type all en	tries.	See Title 14	CFF	₹ §4:	3.9, Part 4	3 Appendix I	3, and AC 43	.9-1 (c	or subsequent revision thereof)
		isposition of th violation (49 U			ort is	з гес	quired by	law (49 U.S.0	C. §44701). F	ailure	to report can result in a civil
	ार्क Nationality and Registration Mark					Serial No.					
		N236PH							1345		
1. Aircraft	1	_						Model			Series
	Be11	L s shown on registi	ofic =	aartifiaata)					06 shown on regist	ralian c	L-3
	'		auon	сеписате)				Address			ngeline Thruway
2. Owner	2. Owner PHI, Inc. Quality Assurance				City <u>Lafayette</u>				:e	State <u>LA</u>	
	Qua.	iity Assui	. anc	.e				Zip	70508	_ Co	untry <u>USA</u>
					3.	For	FAA Use	Only		•	
	·										
4. 7	Гуре						5. L	nit Identifica	tion		<del>-</del>
Repair	Alteration	Unit		ı	Mak	е		Model			Serial No.
		AIRFRAME					(As described in Item 1 above)				
		POWERPLAI	NT								
		PROPELLER	<b>!</b>						-		
		APPLIANCE		Туре							
				Manufacture	er						
					6. C	onfo	ormity St	atement			<u> </u>
A. Agency	's Name and		•			•	of Agenc		_		
Name		ICOPTER TEX						ted Mechanic	<del></del>		Manufacturer
Address City	LAFAYET	NT DES MOU	tate	LA LA	Х		reign Certi rtified Rep	ficated Mechar	ic		Certificate No.  S B1H2300N Limited Airframe
Zip	70507		.S.A	-	_			ntenance Orga	nization		nited Specialized Services
have I	been made in		th the	requirements	of F	art 4	13 of the U				everse or attachments hereto nd that the information
Extended range fuel Signature/Date of Authorized Individual per 14 CFR Part 43 App. B											
	•		<del></del>	7.	App	γον	al for Ret	urn To Servic	e		<del>= =</del>
		ty given person deral Aviation				uni		I in item 5 was APPROVED	inspected in		nanner prescribed by the
BY	FAA FIt.	Standards r		Manufacture	er		Maintena	ance Organiza			Persons Approved by Canadian Department of Transport
- ·       -	FAA Des		х	Repair Station	on		Inspection	n Authorization	n l	Other	· (Specify)
Certificate Designatio			Sigr	nature/Date o		thori			<u>//I                                   </u>		· · · · · · · · · · · · · · · · · · ·
B1H2300N GRANT McDANIEL (1) 3/13/13											

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 Accompli (If more space is required, attach additional sheets. Id	lentify with aircraft nationality and registration mark and dat	e work completed.)
	N236РН	AUG 0 9 2013
	Nationality and Registration N	Mark Date
NOMENCLATURE: NOSE FAIRING ORIGINAL PART NUMBER: 206-03 SERIAL NUMBER: BP411 WORK ORDER NUMBER: W200950	1-124-137	
OVERHAULED PANEL MENTION TEXTRON, INC. FAA APPROVED ( 4/29/98.	ED ABOVE IN ACCORDANCE WITH OVERHAUL PROCEDURE NUMBER F	H BELL HELICOPTER PHI-450-OP-024 DATED
	END	
	75% 	

□ Additional Sheets are Atlached

US Department of Transportatio

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

orm Appr	roved
OMB No.	2120-0020

For FAA Use Only

Office Identification

Federal Aviation Administration

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

101	each suc	ii violation (Se	CHOIT	301 rederal Aviation	on Act	01 193	oo).					
		Make Bell			_			Model 20	D6L-3		***	
1. A	ircraft	Serial No.	529				Nationality and Registration Mark					
2. O	wner	Name (As shown on registration certificate Petroleum Helicopters, Inc.					N3116L Address (As shown on registration certificate) 2001 SE Evangeline Thruway Lafayette, LA 70508-2156					
						3. [	For FAA Use O	nly				
-												
					ï	4. L	Init Identificati	on			5. Type	
	Unit		Ma	ake			Model		Serial N	o.	Repair	Alteration
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POW	ERPLANT											
PROF	PELLER		-									
APPL	LIANCE	Type Manufacturer										- 11
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afaye	ette, LA 70	509				Foreign Certificated Mechanic  Certificated Repair Station			Airframe, Powerplant, and Accessories Limited -			
							Manufacturer			<u> </u>	dio Class 1, 2	
				ration made to the unit rt 43 of the U.S. Feden								
Date							nature of Author				. 10 110 2031 01 11	ny knowledge.
7-22-04					Keich Tough Lan							
							for Return To			,		-
Pur: Adn	ninistrator	of the Federal	en pe Aviat	rsons specified be ion Administration	low, the	e unit	identified in item APPROVED	4 was ins	EJECTED		bed by the	
3Y   -	FAA Inspe	Flt. Standards ctor		Manufacturer		Insp	ection Authoriza	ation	Other (Specify	)		
		Designee	×	Repair Station		Can	son Approved by ada Airworthine	ss Group				
		al or Rejection		Certificate or Designation No.		Sign	nature of Authori	_				
<i>i</i> ^	22-2004 HEER617E						delan	J per				

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.)

#### NOSE SHELF, AVIONICS / TIE DOWN

Installed rack manufactured from 2024T3 aluminum sheet and aluminum angles. See PHI Drawing Number 400-206. Located rack to left hand nose of aircraft picking up existing mounting points and located others as necessary to mount rack. Secured with approved fasteners. Rack provides mounting for tie down kit, ELT, and certain radio transceivers.

This alteration is in accordance with data previously approved on FAA form 337, dated 8-19-00 for Bell model 206L-3, N206FS, serial number 51506 and is approved for duplication on identical make, model, and altered configuration when accomplished by the original modifier.

Performed load analysis in accordance with Petroleum Helicopters Load Test Document Number PHI-206-ST-0006. Installed decal indicating "Max Allowable Weight" of 40 pounds on shelf.

Structure will withstand required loads as per AC 43.13-2A, chapter 1, paragraph 2. Fabrication is consistent and compatible with aircraft structure as per AC 43.13-2A, chapter 1, paragraph 5. Materials and fasteners are all of approved types according to AC 43.13-2A, chapter 1, paragraphs 4 and 5. Parts are protected from corrosion and do not interfere with required inspection.

Equipment is located where it is sufficiently cooled and would not be a smoke hazard or ignite readily inflammable parts of the aircraft, AC 43-13-2A, chapter 2, paragraphs 21a and 27e.

Adequate means of inspection are provided for racks, related parts, equipment, and adjacent components according to AC 43.13-2A, chapter 1, paragraph 8.

Amended weight and balance as required.

#### **INSTRUCTIONS FOR CONTINUED AIRWORTHINESS**

N3116L

This instruction for continued airworthiness gives the data that is needed to fulfill the requirements of CFR parts 23, 25, 27, 29, 33, or 35, sections 23.1529, 25.1529, 27.1529, 29.1529, 31.82, 33.4, or 35.4 as applicable.

#### ITEM NAME: NOSE SHELF, AVIONICS/TIE DOWN

#### 1) INTRODUCTION:

J.

Installed rack in the left hand nose area of the aircraft to provide mounting for the tie down kit, ELT and certain radio transceivers.

#### 2) DESCRIPTION:

Nose shelf (rack) is manufactured of 2024T3 aluminum sheet and angle. It is secured to the aircraft structure by picking up existing mounting points and locating others as necessary.

#### 3) CONTROL, OPERATION INFORMATION:

N/A

#### 4) SERVICING INFORMATION:

N/A

#### 5) MAINTENANCE INSTRUCTIONS:

Inspect for condition and security in accordance with Petroleum Helicopters, Inc. Maintenance Program or FAA Annual.

#### 6) TROUBLE SHOOTING INFORMATION:

N/A

#### 7) REMOVAL AND REPLACEMENT INFORMATION:

Install and remove in accordance with PHI Drawing 400-206.

#### 8) DIAGRAMS:

PHI Drawing Number 400-206.

#### 9) SPECIAL INSPECTION REQUIREMENTS:

N/A

#### 10) APPLICATION OF PROTECTIVE TREATMENTS:

N/A

#### 11) DATA:

PHI Drawing Number 400-206 and PHI Load Test Document PHI 206-ST-0006.

#### 12) LIST OF SPECIAL TOOLS:

N/A

#### 13) FOR COMMUTER CATEGORY AIRCRAFT:

N/A

N3116L

S/N 51529 MODEL 206L-3

14) RECOMMENDED OVERHAUL PERIODS: N/A

15) AIRWORTHINESS LIMITATION SECTION: N/A

#### 16) REVISION:

A letter will be submitted to the local FSDO with a copy of the revised FAA form 337 and revised ICA. The FAA inspector accepts the change by signing block 3.

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US Department of Transportation

# MAJOR EPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

orm	Approved	
OME	3 No. 2420	-0920

For FAA Use Only

Office Identification

Federal Aviation Administration

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This form is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each s	such violation (S	ection 9	901 Federal Aviation A	ct of 1	958).						
1 1	Make	Bell H	lelicopters			Model	206L-3				
1. Aircraft	Serial No	51529	)		Nationality and Registration Mark N3116L						
2. Owner	Name (As	Name (As shown on registration certificate) CIT Leasing Company, Inc.					Address (As shown on registration certificate) 1211 AVE. of the Americas F121 New York, NY 10036-8701				
					3. For FAA Use Only	L					
					1. Unit Identification				5. Type		
Unit		٨	/lake		Model		Seria	I No.	Repair	Alteration	
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PROPELLE	≣R							97.			
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P. O. Box	m Helicopter x 90808	s, inc.		.	Foreign Certificate			HEER617 Airframe		Plant	
Lafayette	e, LA 70509			ŀ	& Acces			sories Lt lass 1,2,	d.		
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Date	722	a /			Signature of Authoriz	zed Individ	ual				
10	-73-0	<u>'/                                    </u>			11/ark	Kaz	ard				
Dureuant to	o the authority	nivon ne	7 ersons specified below		al for Return to Servi		ated in the many				
Administra	tor of the Feder	al Aviat	tion Administration and	is is	X APPROVE	D	REJECTED	er prescribed i	by the		
i I.	FAA Fit. Standa	rds	Manufacturer		Inspection Authorizat	tion	Other (Specify)				
	FAA Designee	x	Repair Station		Person Approved by Canadian Airworthine	Transport ess Group					
Date of App	roval or Rejecti 23-0 /	on /	Certificate or Designation No. HEER617E		Signature of Authoriz	ed Individu	ard				

, , , , (	NOTICE	
Weight and balance or operating limitation	on changes shall be entered in the appropriate assure continued conformity with the applica	arroraft record. An alteration must be
compatible with all previous alterations to	o assure continued comornity with the applica	ble an worth most requirement.

# 8. Description of Work Accomplished (If more space is required, attach additional sheets, Identify with alrcraft nationality and registration mark and date work completed.) OUTERLINK CP-2 SATCOM COMMUNICATION SYSTEM

Installed Outerlink CP-2 Satcom System, Formerly Newcomb Communications, Inc. in accordance with Newcomb, Inc. STC. SR00120BO and PHI Drawing no. PHI-206-60386 Rev. IR. FAA Approval Flight Manual Supplement No. D000-0076 Rev. A, approved Sept. 25, 2000, or later FAA-approved revision must be on board when operating Outerlink CP-2 Satcom System.

Compass corrected as required.

Weight and balance amended as required.

## 0

### **MAJOR REPAIR AND ALTERATION**

from Dovernient Drandler or Appliance

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

Electronic Tracking Number

US Department of Transportation

(Airframe, Powerplant, Propeller, or Appliance)

iance)	11/30/2007	For FAA Use Only	
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Federal Aviation		•									
Administration INSTRUC	TIONS: Prin	t or type all en	tries	See Title 14 (	CFF	₹ §43	.9, Part 4	3 Appendix	B, and AC 43.	9-1 (or	subsequent revision thereof)
for instruc	ctions and di	isposition of th	nis fo	rm. This repo	rt is	requ	uired by I	aw (49 U.S.	C. §44701). F	ailure	to report can result in a civil
penalty fo	r each such	violation (49 U	.S.C.	§46301(a))							
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	s Name and	Address			В. І		of Agency				134 Cooksan
Name		ICOPTER TEX	_					ed Mechanic icated Mecha			Manufacturer Certificate No.
Address City	LAFAYET	NT DES MOU	tate	LA	Х		tified Repa		a1110		B1H2300N Limited Airframe
Zip	70507		.S.A					tenance Org	anization	Lim	nited Specialized Services
·											versa ar attachmants bessta
D. I certify	y that the rep	air and/or altera	ation	made to the un	nit(s)	) iden	itified in ite	m 5 above a	nd described o	n the re ions an	everse or attachments hereto d that the information
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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 (If more space is required, at	Work Accomplis	hed ntify with aircraft na	tionality and regis	tration mark and date w	ork completed.)	
			Nationali	1233PH ty and Registration Mark	5-10-1 C Date	
NOMENCLATURE: ORIGINAL PART N SERIAL NUMBER: WORK ORDER NUI	UMBER: 206-023			·		
OVERHAULED PAI TEXTRON, INC. F REVISION A, DATE	AA APPROVED	D ABOVE I OVERHAL	N ACCORI JL PROCE	DANCE WITH DURE NUMBI	BELL HELIC ER PHI-450-	OPTER OP-032,
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☐ Additional Sheets are Attached

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Federal

## US Department of Transportation

#### MAJOR REPAIR AND ALTERATION

Airframe.	Powerplant,	Propeller,	, or A	ppliance)	

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

Electronic Tracking Number

30/2007 For FAA Use Only

Aviation Administrat	ion			·									
INSTRUC	CTIONS: Prin	nt or type all en	tries	. See Title 14	CFF	R §43.9, Part	43 Appen	dix B,	and AC 43	3.9-1 (o	r subseq	uent revision th	ereof)
for instru	ctions and d	isposition of th	nis fo	orm. This rep	ort is	s required by	/ law (49 l	J.S.C.	§44701).	railure	to repor	rt can result in	a CIVII
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		<b>0</b>		,			Addre				BELINE	THRO WAY	
2. Owner		•					City	<u> </u>	AFAYET	TE .		State <u>LA,</u>	
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have l	been made in	air and/or altera accordance wi true and correc	th the	e requirements	of F	Part 43 of the	item 5 abov U.S. Federa	e and o	described of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont	on the reations ar	everse or nd that th	attachments he e information	reto
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Pursuant to Administra	o the authori tor of the Fe	ty given persor deral Aviation	ns sp Admi	ecified below inistration and	, the d is	unit identifie	ed in item 5 APPROV	was ii ED [	nspected i	in the m	nanner p	rescribed by the	; 
BY	FAA Flt. Inspecto	Standards r		Manufacture	er	Mainter	nance Orga	ce Organization				Approved by Can ment of Transport	adian
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B1H2300N			GR	ANT McDAN	IEL	Maken	1 / 9/3	410					

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

N 233 PH
Nationality and Registration Mark

NOMENCLATURE: ELEVATOR

ORIGINAL PART NUMBER: 206-023-119-105 UPGRADED TO PART NUMBER: 206-023-119-177

SERIAL NUMBER: AO-00842

**WORK ORDER NUMBER: W157540AA** 

OVERHAULED PANEL MENTIONED ABOVE IN ACCORDANCE WITH ACADIAN COMPOSITES FAA APPROVED OVERHAUL PROCEDURE NUMBER PHI-450-OP-032, REVISION A, DATED 11/24/99 AND UPGRADED IN ACCORDANCE WITH OVERHAUL PROCEDURE PHI-450-OP-050 DATED 10/15/02, REVISION E.

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

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

Form Approved	· · · · · · · · · · · · · · · · · · ·
OMB No. 2120-0020	
For FAA Use Only	
Office Identification	

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

for	d disposit reach suc	ion of this form th violation (S	m. Tr ectio	nis report is required on 901 Federal Avia	d by la tion A	w (49 ct of	U.	.S.C. 1421). Fai 58).	lure to re	eport can result in a	civil pen	alty not to exc	eed \$1,000	
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2. O	wner	CIT Lea	sing	g Corporation			1211 Avenue of the Americas Fl 21 New York, NY 10036-8701							
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	nave beer	n made in acci	ordaı	or alteration made to nce with the require correct to the best	ements	s of P	ide	entified in item	4 above a Federal	and described on the Aviation Regulation	ne reverse ons and t	e or attachmen	nts hereto lation	
Date						Sig	ına	ture of Authori	zed Indi	vidual				
	2-2	-49						Dal.	L	<u>~</u> `				
					7. Ap	prov	al	for Return To S	Service					
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DV.	FAA Inspe	Flt. Standards ector		Manufacturer		Insp	ес	tion Authorizati	on	Other (Specify)				
BY	FAA	Designee	X	Repair Station				n Approved by T a Airworthiness						
Date o	of Approva	al or Rejection		Certificate or		Sigr	nat	ture of Authoriz	zed Indiv	/idual				
2	2-2-9	79		Designation No. HEER617E				Duk	L.	<u>~~</u>				

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.)

Installed a passenger compartment cargo pallet in accordance with Petroleum Helicopters, Inc. Drawing No. PHI-206L1-531, Rev. A, dated 2-27-92.

The data for this installation was approved on FAA Form 8110-3 dated 3-10-92, serial number 92-777-002 by DER Michelle M. Corning, Designation Number SW-777.

END

US Department of Transportation Federal Aviation

# MAJOR PAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

\	Form Approved OMB No. 2120-002
)	É EAA 11-

For FAA Use Only

Office Identification

Federal Aviati Administration										<del></del>		
and dispositio	n of this form.	This	all entries. See FAR 43 form is required by law	(49 U.S	S.C.	Appendix B, and 1421). Failure to	AC 4:	3.9-1 t can	(or subsequent re result in a civil pe	vision thereof	) for instruction	ctions 00
for each such		tion 9	01 Federal Aviation Ac	t of 195	58).		1					
	Make						Mode					
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2	7/21/2	_	HEER617E			Michael Thibod	aux					

Weight and balance or operating limits compatible with all previous alterations to	n changes shall be entered assure continued conform	in the appropriate	d. An alteration must be ess requirements.

Nomenclature: Pass Fwd Facing Seat Original Part Number: 206-033-172-117 Serial Number: BP0000085 Work Order Number: J0173958 OVERHAULED PANEL MENTIONED ABOVE IN ACCORDANCE WITH PETROLEUM HELICOPTERS, INC. D.B.A. ACADIAN COMPOSITES,L.L.C. FAA APPROVED OVERHAUL PROCEDURE NUMBER PHI-450-OP-008, DATED 8/3/99, **REVISION A.** -----END-----Additional Sheets Are Attached U.S. GOVERNMENT PRINTING OFFICE: 1992-769-012/60157

## US Department of Transportation

# MAJOR EPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-002

For FAA Use Only

Office Identification

Administration															
and disposition	of this form. Th	nis f	l entries. See FAR 43 orm is required by law	v (49 l	U.S.C.										
for each such	Make		01 Federal Aviation Adelicopters	ct of 1	958).			Model	206L-3		AW 15				
1. Aircraft	Serial No.			·				Nationality and Registration Mark N3116L							
2. Owner	Name (As sho	wn c	on registration certific asing Company, I				Address (As shown on registration certificate) 1211 AVE. of the Americas F121 New York, NY 10036-8701								
					3. For	FAA Use	Only								
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					4. Unit	Identific	ation					5. Type			
Unit		Ma	ake			Mod	el		Se	rial	No.	Repair	Alteration		
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PROPELLER															
APPLIANCE	Type Manufacturer					-				<u></u>					
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P. O. Box 90	lelicopters, In 808 A 70500	iC.						d Mechanic			HEER617E Airframe , PowerPlant				
Lafayette, L	A 70509				X Certificated Repair Station  Manufacturer					& Accessories Ltd. Radio Class 1,2,3					
have been	made in accorda	ance	alteration made to the with the requirement rect to the best of my	ts of F	) ident Part 43	ified in it	em 4 ab	oove and de eral Aviatio	escribed on the on Regulations	e re	verse or atta d that the info	chments h	ereto		
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BY FAA	Flt. Standards ector		Manufacturer		Insped	ction Autl	norizatio	on	Other (Specify	y)	-				
		x	Repair Station		Canac	lian Airw	orthines	ransport s Group							
Date of Approva	or Rejection		Certificate or Designation No. HEER617E		Signat	ture OT A	uthorize DA	d Individua	il Wal						

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

B. Descrip	tion o	<b>Work</b>	Accom	plished
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(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

## Structural Modification

Part Nomenclature:	Hinge	Part Number:	None	
Repair Number:	PHI-206-60333	Part Serial Number	None	
-	Rev. B 7-17-2001			
Fabricated and instal	led cabin door hinges	– in accordance with di	awing PHI-206-6033	
	led cabin door hinges		on FAA Form 8110-3	

US Department

#### **MAJOR REPAIR AND ALTERATION**

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Form Approved	Electronic Tracking Number
OMB No.	
2120-0020	
2/28/2011	
	For EAA Hea Only

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Federal	
Aviation	

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 instruc	ctions and d	lisposition of the violation (49 U	his fo		is re	equired by	law (49 U.S.	.C. §44701).	Failure	to report can result in a civil	
		y and Registration					Serial No.			<del></del>	
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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.	8. Description of Work Accomplished	
(If m	If more space is required, attach additional sheets. Identify with aircraft nationality and registra	ation mark and date work completed.)

N236PH

AUG 0 9 2013

Nationality and Registration Mark Date

NOMENCLATURE: PASSENGER SEAT KICK PANEL

ORIGINAL PART NUMBER: 206-033-103-009

SERIAL NUMBER: BP0000276

WORK ORDER NUMBER: W180969AA

OVERHAULED PANEL MENTIONED ABOVE IN ACCORDANCE WITH BELL HELICOPTER TEXTRON, INC. FAA APPROVED OVERHAUL PROCEDURE NUMBER PHI-450-OP-005, REVISION A, DATED 3/5/99.

□ Additional Sheets are Attached

## 0

#### **MAJOR REPAIR AND ALTERATION**

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

US Department	/A:	uframa Da		rplant, Prope	مالہ	r or Ans	dianco)	11/30/2007		For FAA Use Only
of Transportation	(Al	rirame, Po	wei	rpiant, Prope	#IIE	i, or App	mance)			
Federal Aviation Administratio	NO.									
INSTRUC	TIONS: Print	t or type all ent	ries.	See Title 14 CF	R §4	13.9, Part 4	Appendix B,	and AC 43.	9-1 (or	subsequent revision thereof)
		sposition of thi violation (49 U.			is re	quired by I	aw (49 U.S.C	. §44701). F	allure	to report can result in a civil
portary for		and Registration					Serial No.			
		16L					51529			
1. Aircraft	: Make Bell	ŀ					Model			Series
		s shown on registra	ation	certificate)	-		206 Address (As s	hown on registi	ration ce	L-3 ertificate)
	,	_	aion	conmodicy						01 SE Evangeline Thruway
2. Owner	PH	I, Inc.					City Lat	ayette		State LA
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		PROPELLER								
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	<u> </u>	APPLIANCE								
				Manufacturer						
				6	Cont	formity Sta	tomont			
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Name	BELL HEL	ICOPTER TEX		ON, INC.	U.	.S. Certifica	ed Mechanic			Manufacturer
Address		NT DES MOU				oreign Certif ertified Rep	icated Mechan	ic		Certificate No.  S B1H2300N Limited Airframe
City Zip	LAFAYET		tate .S.A	LA X			tenance Organ	ization		nited Specialized Services
-				·						-
D. I certif	fy that the rep	pair and/or altera	tion	made to the unit(	s) ide	entified in ite	m 5 above and	described or	n the re	everse or attachments hereto ad that the information
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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.

compatible with all previous alterations to assure continued conformit	y with the applicable airworthiness re	quirements.
8. Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft national	lity and registration mark and date work c	ompleted.)
	N3116L	05/09/2012
·	Nationality and Registration Mark	Date
NOMENCLATURE: PASSENGER SEAT ORIGINAL PART NUMBER: 206-033-105-013 UPGRADED TO PART NUMBER: 206-033-105-117 SERIAL NUMBER: WORK ORDER NUMBER: W163293AA		
OVERHAULED PANEL MENTIONED ABOVE IN TEXTRON, INC. FAA APPROVED OVERHAUL REVISION B, DATED 11/23/98 AND UPGRADE PROCEDURE PHI-450-OP-050 DATED 10/15/02, RE	PROCEDURE NUMBER ED IN ACCORDANCE W	PHI-450-OP-004,
END		

□ Additional Sheets are Attached



FAA Form 337 |12-88|

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

	Form Approved
	OMB No. 2120-0020
ĺ	For FAA Use Only
	Office Identification

	Make		on 901 Federal Aviat				Model			<del></del>		
	Bell					Model						
1. Aircraft	Serial No.	Serial No. 51529						206L-3 Nationality and Registration Mark				
	51	.529	9					N3116L	on mark			
	Name (As si	howr	on registration cer	tificate	9)			s (As shown on reg	istration o	certificate)		
2. Owner	Floor C		it Components					lestminster S		,		
z. Owner	Lieer Ct	eu.	it Corporatio	)11	Providence, RI 02903							
	<u> </u>				3.	For FAA Use Or	ıly					
					4.	Unit Identification	on			5. Type		
Unit		Ма	ake			Model		Serial No	<b>)</b> .	Repair	Alteration	
AIRFRAME		<b>~~~</b>	(A	ls desc	cribe	d in Item 1 abov	e) <b>~~~</b>	***************************************			x	
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7				7. Api	orøva	ol for Return To	Service	NOW WILL				
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ate of Approv	val or Rejection		Certificate or Designation No. HEER617E		٠,	ature of Authori	zed Indiv			EDWAR	<b>100</b>	

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.)

Installed rack manufactured from 2024T3 aluminum sheet and aluminum angles. See PHI Drawing Number 400-206. Located rack to left hand nose of aircraft picking up existing mounting points and located others as necessary to mount rack. Secured with approved fasteners. Rack provides mounting for tie down kit, ELT, and certain radio transceivers.

Structure will withstand required loads AC 43.13-2A, Chapter 1, Paragraph 2. Fabrication is consistent and compatible with aircraft structure AC 43.13-2A, Chapter 1, Paragraph 5. Materials and fasteners all of approved types AC 43.13-2A, Chapter 1, Paragraphs 4 and 5. Parts are protected from corrosion and do not interfere with required inspection.

Equipment located where it is sufficiently cooled and would not be a smoke hazard or ignite readily flammable parts of the aircraft, AC 43.13-2A, Chapter 2, Paragraphs 21a and 27e.

Adequate means of inspection are provided for racks, related parts, equipment and adjacent components according to AC 43.13-2A, Chapter 1, Paragraph 8.

Amended weight and balance as required.

-----END-----

# NOT INSTALLED

O
US Department of Transportation
Federal Aviation Administration

FAA Form 337 (12-88)

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

Form Appı	roved
OMB No.	2120-0020

For FAA Use Only
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each su	ch violation (Se	ectio	n 901 Federal Avia	ition A	ct of	1958).				,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Make Bell						Model							
1. Aircraft	l ·						206L-3						
	Serial No. 51529						Nationality and Registration Mark						
	Name (As shown on registration certificate)						N3116L Address (As shown on registration certificate)						
Name (As snown on registration certification)					Address (As shown on 111 Westminster					certificate)			
2. Owner Fleet Credit Corporation				on									
						Providence, RI 02903							
					3.	For FAA Use Or	nly						
•	require	mei ori	dentified hearts and is an antity inspect. 7 1991 FAA	pprovion h	ved by a	for the al	ove d	lescribed aim	craft 3 Sect	subject	-		
					4.	Unit Identificati	on			5. Type			
Unit		Ма	ake		Model Serial I			Serial No	lo.	Repair	Alteration		
AIRFRAME	E(As des					ed in Item 1 abov	e)		х -				
POWERPLANT													
PROPELLER								•					
	Туре												
APPLIANCE Manufacturer			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
					6. Cc	onformity Staten	ent			-	<u> </u>		
A. Agency's N	ame and Addre	ess	-		B.	Kind of Agency			C. Certi	ficate No.			
Petroleu	m Helicopt	ter	s Inc		ļ	U.S. Certificated	rtificated Mechanic			AIRFRAME, POWERPLANT			
P.O. Box			o, me.		Foreign Certificated Mechanic			& ACCESSORIES LIMITE					
	e, LA 705	509			X	T	ertificated Repair Station			RADIO CLASS 1, 2, & 3			
						Manufacturer	em 4 above and described on the reverse or at						
nave beer	n made in acco	ırdaı	raiteration made to nce with the require correct to the best	ements	of P	art 43 of the U.S	14 above . Federal	and described on to Aviation Regulation	ne reverse ons and th	or attachmer at the inform	nts hereto ation		
Date	<del></del>				Sig	nature of Autho	rized Ind	ividual		<del></del>			
190	EC. 19	91				James 7	9	funds		EDWA	RDS		
				7. Ap	prov	al for Return To	Service			1			
Pursuant to Administrato	the authority or of the Federa	giver I Av	n persons specified lation Administration	belov	k, the	e unit identified 図 APPROVED	in item	4 was inspected in	the man	ner prescribe	ed by the		
	FIt. Standards ector		Manufacturer		Insp	ection Authoriza	tion	Other (Specify)		•			
FAA	Designee	X	Repair Station		Pers Can	on Approved by ada Airworthines	Transport s Group						
Date of Approv	al or Rejection	,	Certificate or Designation No. HEER617E		Sigr	nature of Author	ized Indiv	vidual		EDWAR	PDS		

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.	Descri	ptlon	of	Work	Accom	plished	ı
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(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed PHI modified Whelen Siren System Model WS295. PHI part number PHI 002-000002. See PHI Drawing Number PHI 206L-11118.

The amplifier/control was mounted at Station 19 on the underside of the Avionics/tie down rack which was previously installed on a Form 337. A bracket enclosure was manufactured at .050 2024T3 aluminum measuring 6 1/4" X 6" X 2 1/2" and riveted to the underside of the Avionics/tie down rack using MS20426AD-4 rivets. Amplifier/control is bolted to the bracket with hardware supplied by the manufacturer.

Speaker installed on forward cross tube at station 73.0 with two half clamps fabricated of 6061T6 aluminum block 4 1/8" X 3 3/8" with 2 1/4" holes. Fastened with 4 each AN4-36A bolts; AN365-428 nuts, and AN960PD416L washers. Speaker at center of cross tube and aimed in aft direction.

Combined Co.

Completed actual weight and balance.

SHOW AND

Power taken from main buss. Used 18 gauge MIL-W-22579/41 wire for power and ground circuit. Used 20 gauge MIL-C-27500/SM wire to speaker. Circuit protected by MS26574-7.5 circuit breaker. Placarded circuit breaker.

			•	
		END		

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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
F	or FAA Use Only

Federal Adminis	Aviation	(AIII	ii aiiie,	rowerpiant, r	-101	JEI	iler, or App	nance,	,			
instruc		ition of	this for									ubsequent revision thereof) for esult in a civil penalty for each
Nationality and Registration Mark			ion Mark	Serial No.								
1. Aircra	aft N363	BH					· · · · · · · · · · · · · · · · · · ·		51345			I 0
	Make Bell							Mode	1 206			Series L-3
<u>-</u>	Name (A	s show	n on rea	istration certificate	)			Addre		shown on re	aistratio	n certificate)
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2. Owne	er   '''',	1110.						City	Lafay			State LA
						_	For FAA Use	Zip	/0508	3-2156	Col	untry USA
4	4. Type					5.	Unit Identific	ation				
Repa	ir Alteration		Unit		Mal	ke				Model		Serial No.
	<b>V</b>	AIRF	RAME					(As described in Item 1 above)				
		POWI	ERPLAN	ıΤ								
		PROF	PELLER									
		APPL	IANCE	Type Manufacturer								
		<u> </u>		<u> </u>	6.	. C	onformity Sta	tement				
	cy's Name and A	ddress				В.	. Kind of Agen	•				
_	PHI, Inc. P. O. Box 90808	2			_		U. S. Certific					anufacturer
	_afayette			State LA		1	Foreign Certificated Mechanic C. Certificate I  ✓ Certificated Repair Station					
Zip <u>7</u>	<u>0509-0808</u> c₀	_{untry} <u>U</u>	SA			<b>-</b>	Certificated I	Maintenan	ice Orgai	nization	]	HEER617E
ha	ive been made in	accord	dance wi		s of I	Par	rt 43 of the U.S					everse or attachments hereto hat the information
	ed range fuel CFR Part 43		Sig	nature/Date of Aut	thoriz	zed	Individual					- 3 - 4 -
Арр. В				far	~	Ü	145				د	-2-07
						_	val for Return					
				sons specified be administration and		, th		ied in it		was inspec		he manner prescribed by the
BV	FAA Flt. Stand Inspector	dards	M	anufacturer		M	laintenance O	rganizatio	on			ved by Canadian Transport
BY	FAA Designee	,	X Re	epair Station		lr	nspection Auth	orization		Other (Sp	ecify)	
Certificat Designat			Sig	gnature/Date of Aut				$\overline{\mathcal{I}}$		<u> </u>	4-	
	HEER617E			Jamesk	(12	n 7	tz /_	·	24		- 5	-2-07

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 national sheets.)	onality and registration mark and date work	completed.)
	N363BH	
	Nationality and Registration Mark	Date
INSTALLATION OF PORTABLE	E OXYGEN "D" BOTTLE	
Installed Portable Oxygen "D" Bottle Mount, Guar Document Number PHI-206L-PS-0098, Revision manufacturers, see Petroleum Helicopters, Inc., Dr. dated October 13, 2005 and PHI-050-60388, Revision	on IR, dated December 2 rawing Number PHI-050-6036	6, 2006. For
Structural approval for this installation received or Jr., designation number DERT-710134-SW, dated A 0704-47.	•	R. M. Howard,
Weight and balance amended as required.		
END		

Additional Sheets Are Attached

JS Departmer

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	Efectronic Tracking Number				
For FAA Use Only					

_	Nationa N21	lity and	Registrat	lon Mark	_			Serial No		<del></del>			
1. Aircraft	Make	ЮГП						513	345				-
	Bel	1						Model 20	16			Series	
	Name (/	As show	n on regi	stration certifica	ite)	_				OWN OR	social solia	L-3 certificate)	
2. Owner	I .	I, Inc.			,			Address Q	uality.	<u>A</u> ssura	nce 2001	<i>SE Ev</i> angelii	ne Thruw
								City <u>La</u>	afayett	<u>e</u>		Sta	ate LA
	<del></del> _				_	- 1	For FAA Use		508-2	156	Cou	Intry USA	
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4. Тур	e	T -				<del>-</del>	11 11 11 11						
Repair	Alteration	<del>                                     </del>	Init	5. Unit Identificat			ation				<u> </u>		
		<del> </del> `	Unit M			lake —		Model			Se	rial No.	
		AIRFR	AME ————			(As described in			Item 1	above)	<del></del>		
		POWE	RPLANT		-								
		PROPE	LLER										
				Туре									
	$\neg$	APPLIA	NCE		_								•
_		-		Manufacturer							ļ		
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Agency's Na	me and Ad	dress					nformity State (ind of Agency						
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ress <u>P. O. B</u> Lafayet	lox 90808 te			<del></del>			Foreign Certifi	cated Mechanic	-		C. Certific		<del></del> -
70509-0		try USA		State <u>LA</u>	_	$ \checkmark $	Certificated Re						
							Certificated Ma	aintenance Org	anizatio	<u> </u>		HEER617	
have beer furnished	n made in a herein is tri	ar and/o accordan ue and c	r alteration ice with team correct to	on made to the he requirements the best of my	unit( s of i knov	(s) id∉ Part 4 vledo	entified in iter 13 of the U.S. e	n 5 above an Federal Aviat	d des ion Re	cribed o gulation	n the rever is and that	rse or attachme the information	nts hereto
ended range	fuel			⊌(e/Date of Aut							<u> </u>		
14 CFR Par . B	t 43	]	}	)-1 90	1/1	, ,	So	. 1	R			AUG 1	2 2013
					سعد		<del></del>	<u></u>		.91V	son	AUG	2 2013
rsuant to t	he authorii of the Fede	ty given	person ion Admi	s specified bel nistration and is		the	for Return to	in item 5	was i	nspecte	d in the	manner prescr	ibed by
	It. Slandar		<b>T</b>	acturer	<u>.</u>			Approved		Person:	S Approved I	by Canadian	
		_	<b></b>		_  .				Other	Departr	nent of Tran	sport	

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.

Description of Work Ac (If more space is require	complished d, attach additional sheets. Id	lentify with aircraft nation	onality and registration mark and date	work completed.)
			N236PH	AUG 1 2 2013
•			Nationality and Registration Mark	Date
	Precise Fl	ight Pulselite 9	System Installation	
		-Since and control	ystem installation	
and I III I ICiu	re and Sketch Dat	a Document N	ing to Precise Flight Inc Jumber PHI-206L-PS-00 Jumber PHI-206L-1273	40 Rev A dated
Precise Flight, Release dated	, Inc. Rotorcraft October 28, 2002 in	Flight Manua stalled in Roto	l Supplement SH3319] orcraft Flight Manual.	VM-01, Original
Compass corre	cted as required.			
Actual Weight	and Balance comp	lied with.		
		END		
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			•	
•		Additional Sheet		

### Department of Transportation—Bederal Aviation Administration

## Supplemental Type Certificate

Number SH3319NM

This certificate, issued to

Precise Flight, Inc. 63120 Powell Butte Road Bend, OR 97701

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 * of the *Regulations.

Original Product — Type Certificate Number: *See attached FAA Approved Model List (AML)

No. SH3319NM for list of approved airplane models

and applicable airworthiness regulations

Description of the Type Design Change. Installation of Precise Flight Pulselite Control System manufactured in accordance with Precise Flight Engineering Drawing Lists 002P0000, Revision H, dated July 11, 2001; 005P0000, Revision D, dated December 12, 1998; 006P0000, Revision C, dated July 11, 2001; 010P0000, Revision F, dated March 13, 2002; 015P0000, Revision J, dated April 19, 2002; 020P0000, Revision M, dated September 6, 2002, and 025P0000, Revision E, dated July 10, 2002, or later FAA approved revisions. Installed in accordance with the appropriate Precise Flight drawing, listed on Precise Flight Engineering Drawing List 001P0001, Revision B, dated May 1, 2002, and/or the Installation Manual listed on FAA AML No. SH3319NM, dated October 28, 2002, or later FAA approved revisions. Maintained in accordance with the appropriate Precise Flight Instructions for Continued Airworthiness found on Engineering Drawing List 001P0001, Revision B, dated May 1, 2002, or found in the appropriate Installation Manual listed on FAA AML SH3319NM, dated October 28, 2002 or later FAA approved revision.

NOTE: Approval for the physical installation of the Pulselite Control Unit will be required if there is no specific reference provided in Engineering Drawing List 001P0001, Revision B, dated May 1, 2002, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the make and model aircraft noted in the FAA AML, dated October 28, 2002, or later FAA approved revision only. This approval should not be extended to other aircraft of these make and models on which other modifications are incorporated unless it is determined by the installer that the relationship between this change and any of other modifications, including changes in type design, will introduce no adverse effects to the airworthiness of that aircraft. A copy of this Certificate, AML SH3319NM, and the RFMS listed on AML SH3319NM, dated October 28, 2002, or later FAA approved revision, must be maintained as part of the permanent records for the aircraft as modified.

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:

January 23, 1986

Date of issuance:

January 23, 1986

Date reissued:

Date amended:

3/31/88; 6/14/93; 10/5/99; 12/3/01;

10/28/02



(Signature)

direction of the Administrator

Acting Manager, Seattle Aircraft

Certification Office

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



July 7, 2008

To Whom It May Concern:

Precise Flight, Inc. has granted permission to PHI, Inc of Lafayette, LA, USA to use STC# SH3319NM.

Singlerely,

Joseph L. Wanko Account Executive



July 7, 2008

To Whom It May Concern:

Precise Flight, Inc. has granted permission to PHI, Inc of Lafayette, LA, USA to use STC# SH3319NM.

Singerely

Joseph L. Wanko Account Executive Precise Flight, Inc.

US Department
of Transportation
Federal Aviation
Administration

1	Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number				
	For FAA Use Only					

US Department	1		MAJO	OK KEPAIK A	MD	AL	. I EKA HU	N		[			For FAA Use	e Only
of Transportation Federal Aviation Administration	on <b>on</b>	(Airf	rame, P	Powerplant, F	Prop	elle	er, or App	liance)						
instructions	IONS: Print and dispos on. (49 U.S.	sition of	f this form.	ies. See Title 14 . This report is re	1 CFF equire	₹§4 ed b	43.9, Part 43 by law (49 U.)	3 Appendix S.C. §4470	: B, aı )1). Fa	nd AC ailure to	43.9-1 o repo	1 (or sul rt can re	bsequent re esult in a civ	evision thereof) for vil penalty for each
	Nationality N236	-	≀egistratio	n Mark				Serial N 51	No. 1345					• •
1. Aircraft	Make Bell					Model 206					Series L-3			
	Name (A:	s showr	on regis	tration certificate)	)	_							certificate)	
2. Owner	PHI,		-	-				City [	Lafay	ette				geline Thruway State LA
											Cour	ntry USA		
						3. F	For FAA Use	Only						·
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4. Тур	ie	<u> </u>		т	!	5. U	Unit Identifica	ation					1	
Repair	Alteration	<u> </u>	Unit		Mak	lake N			Mode	<del>)</del>		<u> </u>	Serial No.	
	V	AIRFR	<b>≀AME</b>		<u> </u>	<u> </u>	(As described in Ite			m 1 a	bove)			
		POWE	ERPLANT											
		PROP	ELLER											
		APPLI	IANCE	Type  Manufacturer										
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A. Agency's Na Name PHJ, Ir		Idress			$\dashv$	В. к Т	Kind of Agend	<u> </u>	olo		$\overline{}$	I Mar	nufacturer	
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city Lafaye	ette			State LA	<u> </u>	Z	Certificated Repair Station				HEER617E			
zip <u>70509</u> -	<u>-0808</u> соц	intry US	3A			$\perp$	Certificated N	vlaintenance	Organ	nization			11661	
have be	en made in	accorda	ance with	tion made to the the requirements o the best of my	s of P	'árt ₄	43 of the U.S							
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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.

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	•		Nationality	and Registration Mark	
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		le in accordance w t Number AA-8703			STC SH1366SO and 3.
		worthiness are cove on, dated October		nautical Accessor	ies, Inc. Report
Compass corre	ected as required				
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j. 11.{.					
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### (MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance) Federal Aviation Administration

Form Approved OMBNo. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each

such violation	n (Section 901 Fed	leral Avi	iation Act of 1958	3).								
1. Aircraft	Make	Make BeLL				206 L-3						
	Serial No.	-1	529		Nationality and Registration Mark				Mark		<del></del>	
			registration certif	īcate)	Address (As shown on registration certification certification)					rtificato)		
					_		Addres	S (AS SHOWN ON THY)	Stration Ce	runcale)		
2. Owner	PETRO	0(2)	um Hel	160	φ7	TERS, Inc.	200	DI DE EVANO	y ECIN E	The	way	
							CA	fay Ette	1/19	70508-	2156	
					3. i	For FAA Use Or	nly					
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	··- 1				4.	Unit Identificati	on		5. Type			
Unit		Make				Model		Serial No.		Repair	Alteration	
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AIRFRAME	~~~	~~~~~~~~(As de				d in Item 1 above)						
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POWERPLAN	IT / Se	ee Itema	8			See Item 8	•	CAE 895 See item 8	55 g	X		
POWERPLANT Rolls Royce			2	250-C30P			CAT 979					
								,				
PROPELLER												
	Туре	· · · · · · · · · · · · · · · · · · ·										
APPLIANCE	1,750											
	Manufacturer								ļ			
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WINNIPE	G, MANITOBA	, CAN	ADA R3H 1/	41 [		Manufacturer						
D. I certify th been made in	at the repair and/or accordance with th	alteratione requi	on made to the u irements of Part	nit(s) i 43 of th	dent ne U	ified in item 4 abov .S. Federal Aviatio	e and o	lescribed on the reve ations and that the in	rse or atta formation	chments here	eto have ein is true	
and correct to	the best of my kno	wledge										
Date				1	Sigr	nature of Authorize	d Indivi	dual				
	May / 07 /	2002	•		Car	y Pozmud	1					
	7. Ap				Gary Rozmus  pproval for Return to Service							
			specified below, t	the uni				cted in the manner p	rescribed	by the Admini	strator of	
, , , , , , , , , , , , , , , , , , , ,	viation Administration	on and i	is X APPROVI	ED _	RE	JECTED				A1 W17		
1 1	AA Fit. Standards spector	^	Manufacturer		Ins	pection Authorizat	ion	Other (Specify)				
L	AA Designee	F	Repair Station	+	Pe	rson Approved by	<u> </u>	<del>`_</del>				
	•			х	Tra Ain	nsport Canada worthiness Group						
Date of APPI	ROVAL		Certificate or Designation No.		Sig	nature of Authoriz	ed Indiv	idual				
May	/ 07 / 2002		AMO 22-58		Ga	ry Rozmus	1/2	03				
AA Form 337	(12-88)		· · · · · · · · · · · · · · · · · · ·									

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 coformity 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.)
ROLLS-ROYCE 250/C30 P.T. SUPPORT P/N 23033412 S/N DW20294
THE PRODUCT IDENTIFIED ABOVE WAS OVERHAULED IN ACCORDANCE WITH ROLLS-ROYCE 250/C30
OVERHAUL MANUAL 14W3 EDITION 2 REVISION 8 DATED 01 NOVEMBER 2001, AMC-OIL 10 REVISION 12
DATED 08 JUNE 1996 AND THE CURRENT MAINTENANCE RULES OF THE CANADIAN AVIATION REGULATIONS. THE PRODUCT IS APPROVED FOR RETURN TO SERVICE IN COMPLIANCE WITH CAR 571
AND FAR PART 43.17. ALL PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS
ORGANIZATION UNDER WORK ORDER L378093.
REFERENCE P/O: PO0074547
T.T.S.N.: UNK T.T.S.O.: 0.0
SERRATED SEAL - UNMACHINED
ABRADABLE SEALS MEACHINED 0.010" PER SIDE BELOW PRINT DIMENSIONS
GARY ROZMUS KOZMUS
CANADIAN APPROVED IMSPECTOR FOR
STANDARD AERO LTD.
AMO22-58

# NOT INSTALLED

Addition Sheets Are Attached

8
US Department of Transportation
Federal Aviation Administration

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

Form			
OME	No.	2120-	-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

	tion of this form. I n ch violation (Sectio							. 5 poria			
	Make 2	/				Model	7 8 / / 2				
1. Aircraft	DELL				er om ser om 1991 til om handstade til om okkeler om hallet om okkeler om ser er en best om okkeler.	L	<u> え                                   </u>				
	Serial No.	- 10						on Mark			
	Name (As shown	on registration ce	rtificat	O )	на при при при при при при при при при при	Address	131166 (As shown on so	istration o	artificate)		
	Ivallie (AS SHOWI	i on registration ce	iiiicai	Address (As shown on registration certificate)  2001 SE Evangeline Thruway  Lafayette, La. 70508-2156							
2. Owner	e ^{rgin} os.					2001	ot twen	geline	- Ihruu	Jay	
	L PHI,	INC				Lafa	yetic la	<u>1 705</u>	08-215	Commence	
			· · · · · · · · · · · · · · · · · · ·	3.	For FAA Use O	nly	, ,		DADOLINO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO CONTO	SCOCHO TO THE CONTRACTOR OF THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND THE PERSON NAMED AND TH	
		***************************************		4. 1	Unit Identificati	on		<del></del>	5. Type		
Unit	Ma	ake			Model		Serial No	),	Repair	Alteration	
AIRFRAME	IRFRAME(As des				scribed in Item 1 above)						
				250/C-30P CAT-97			<b>SANC</b>				
POWERPLANT	OWERPLANT Rolls Royce						CAT-97772				
PROPELLER		,									
	Туре										
ADDLANGE	1,750										
APPLIANCE	Manufacturer										
†∱-и́-1-т-т/м/д-√д-б-и _{н-1-т} -пунски самесы койстительного мог	A COMPANY OF PROPERTY AND A STREET OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROP		***************************************	6. Co	nformity Staten	neni					
A. Agency's N	ame and Address				Kind of Agency			C. Certif	icate No.		
CADORA	TH AEROSPACE	= INIC			U.S. Certificated	d Mechanic				***************************************	
	AN AVENUE	S HVO.		Foreign Certificated Mechanic					86-91		
	G, MANITOBA F	R2R 0H9		Certificated Repair Station							
		1007 1 07 10			Manufacturer	*** <del>**********************************</del>					
have bee	nat the repair and/oi n made in accordan I herein is true and i	nce with the require	ements	of Pa	art 43 of the U.S	n 4 above a S. Federal	and described on the Aviation Regulation	ne reverse ons and tha	or attachme at the inform	nts hereto nation	
Date	neiem is true and	correct to the best	OI my		nature of Autho	nigod to di					
	0000			Sigi	nature of Autho		CHELL (CA)	1			
SEP 19	2006			(1	TM	C. Hill	CHIPT 09	)			
			7. Ap	prova	al for Réturn To	Service					
Pursuant to Administrato	the authority given r of the Federal Avi	persons specified ation Administration	d belov on and	w, the	unit identified	l in item 4	l was inspected in EJECTED	the, manr	ner prescrib	ed by the	
Insp	FIt. Standards ector	Manufacturer		Insp	ection Authoriza	tion	Other (Specify)				
BY FAA	Designee	Repair Station	X		on Approved by ada Airworthines	Transport s Group					
Date of Approv		Certificate or Designation No. 86–9		Sign	ature of Author	ized Indiv	PUCII /C		ant Lin da ing sin da da ing sinang katang katang katang katang katang katang katang katang katang katang kata	1993kaniiri saniim opa gynnyy ylengum maaneereenin	
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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.	Desc	ription	of	Work	Accom	plished

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

REF. W/O#

PT SUPPORT

P/N# 23033412

S/N#

MK37241

44373

250-C30

TSO:

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UNK

CYCLES:

UNK

ITEM

- 1 O/H INSPECTED IAW 250 C30 14W3 O/H/M 2ND EDITION REV.12
- 2 PLASMA SPRAY REPAIRED & FINAL MACHINED THE FOLLOWING IAW 250 C30 14W3 O/H/M 2ND EDITION REV.12 & PRPL 2-D002:

NOZZLE MOUNT FACE

FORWARD FLANGE

TSN:

SUMP FACE

SUMP PILOT & CRUSH RING FACE

3 WELD REPAIRED THE FOLLOWING IAW 250 C30 14W3 O/H/M 2ND EDITION REV.12 & PRPL 2-D002:

**TANGSLOTS** 

- 4 CHROME PLATE REPAIRED BEARING BORE, GROOVES & SHOULDER IAW & PRPL 2-D002
- 5 NDT IAW PRPL 1-8
- 6 WELD ABOVE CIR. CLIP IAW PRPL 2-D002 & PRPL 1-4
- 7 THERMAL SPRAY REPAIRED & FINAL MACHINED 19-24 SEALS IAW 250 C30 14W3 O/H/M 2ND EDITION REV.12 & PRPL 2-D002
- **8** INSTALLED NEW 25-28 SEAL P/N 23030978-1 & FINAL MACHINED IAW 250 C30 14W3 O/H/M 2ND EDITION REV.12 AND PRPL 2-D002
- 9 PRESSURE TESTED AND PASSED 19-24 SEAL AND CLOVERLEAF COVER IAW PRPL 2-D002
- 10 CLEANED INSIDE OIL STRUTS TO REMOVE CARBON IAW 250 C30 14W3 O/H/M 2ND EDITION REV.12
- 11 GLASS BEAD BLAST FOR APPEARANCE IAW 14W3 O/H/M REV.12
- **12 FINAL INSPECTION**

ADDITIONAL MAINTENANCE REQUIRED;

NONE

ALL RECORDS OF WORK PERFORMED ARE ON FILE UNDER W/O: NO FURTHER STATEMENTS TO FOLLOW.

44373

SEP 1 9 2006

DATE:

SIGNATURE G. MICHELL

STAMP

☐ Additional Sheets Are Attached

6
US Department
of Transportation
Federal Aviation
Administration

## MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
ı	or FAA Use Only

(Airframe, Powerplant, Propeller, or Appliance) 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)) Serial No. 51529 Nationality and Registration Mark N3116I Make Bell 1. Aircraft Series Model 206 1 - 3Address (As shown on registration certificate, Name (As shown on registration certificate) Quality Assurance 2001 SE Évangeline Thruwa PHI. Inc. Lafavette 2. Owner City State 70508-2156 USA Country 3. For FAA Use Only 5. Unit Identification 4. Type Serial No. Model Repair Alteration Unit Make (As described in Item 1 above)  $\mathbf{V}$ AIRFRAME **POWERPLANT** PROPELLER Туре APPLIANCE Manufacturer 6. Conformity Statement B. Kind of Agency A. Agency's Name and Address U. S. Certificated Mechanic Manufacturer Name PHI, Inc. C. Certificate No. Foreign Certificated Mechanic Address P. O. Box 90808 Certificated Repair Station Lafayette State LA City HEER617E USA Certificated Maintenance Organization Zip 70509-0808 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. Signature/Date of Authorized Individual Extended range fuel 02-29-2012 per 14 CFR Part 43 Patrick P. Mc Donald App. B 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 ✓ Approved Administrator of the Federal Aviation Administration and is Rejected Persons Approved by Canadian FAA Flt. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization FAA Designee Repair Station Signature/Date of Authorized Individual Certificate or Pater P. M. Dmald Designation No. Patrick P. Mc Donald 02-29-2012 HEER617E

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.

		N3116L	05/09/2012	
		Nationality and Registration Ma	rk Date	
	Structural	Alteration		
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Part Nomenclature:	Radar Altimeter Mount Installation	Drawing Number:	PHI-206-60735 Rev. A	
Fabricated and install at B.S. 50.22 and B.S. 2011.	led provisions for the 171.44 in accordance w	Radar Altimeter Antenr ith PHI-206-60735 Revi	nas on the Tailboom sion A dated 11-09	
By DER <u>Louis Bell</u>	ott Designation	ing to data approved or on Number _DERT-750		
Dated <u>12-13-2011</u>	Serial Nu	mber PHI11-43		
Actual Weight and Ba	alance complied with.			
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US Department
of Transportation
Federal Aviation

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only

1-22-13

**MAJOR REPAIR AND ALTERATION** (Airframe, Powerplant, Propeller, or Appliance) Administration 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)) Nationality and Registration Mark Serial No. N363BH 51345 1. Aircraft Make Model Series Bell 206 L-3Name (As shown on registration certificate) Address (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI. Inc. 2. Owner Lafayette State LA 70508-2156 Country USA Zip 3. For FAA Use Only 5. Unit Identification 4. Type Repair Alteration Make Serial No. Unit Model (As described in Item 1 above) **7** AIRFRAME POWERPLANT **PROPELLER** Type APPLIANCE П Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency Name PHI, Inc. U. S. Certificated Mechanic Manufacturer Address P. O. Box 90808 Foreign Certificated Mechanic C. Certificate No. Lafayette City State LA Certificated Repair Station HEER617E 70509-0808 Country USA Zip Certificated Maintenance Organization 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. Signature/Date of Authorized Individual Terrell K. Melancon Extended range fuel per 14 CFR Part 43 . Арр. В 1-22-13 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 FAA Flt. Standards Persons Approved by Canadian Manufacturer Maintenance Organization Department of Transport Inspector BY Other (Specify) Inspection Authorization FAA Designee Repair Station Tenell K. Melancon Certificate or Signature/Date of Authorized Individual Designation No. Tenel K. Milane

HEER617E

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.

		N363BH	1-22-13
		Nationality and Registration M	
-			· ··
	RADAR ALTIM	ETER MOUNT KIT	
	Aeronautical Accesso	t in accordance with Bell Heries, Inc. Installation Repor	<del>-</del>
Instructions for Continu Revision dated August 1		e covered under Report Nu	ımber AA-12016, N
Weight and balance ame	nded as required.		
		END	

US Department
of Transportation
Federal Aviation
Administration

## MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only
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(Airframe, Powerplant, Propeller, or Appliance) 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)) Nationality and Registration Mark Serial No. 51345 N363BH 1. Aircraft Model Series Make Bell 206 1-3 Address (As shown on registration certificate) Name (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner State LA Lafavette City Country USA 70508-2156 3. For FAA Use Only "The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in § 43.7" Date: ( Aug 2013 FAA Inspector: Joseph S. Pacher _ SW-BTR-FSDO 5. Unit Identification 4. Type Make Model Serial No. Repair Alteration Unit (As described in Item 1 above)  $| \langle \rangle |$ AIRFRAME **POWERPLANT** PROPELLER APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U. S. Certificated Mechanic Manufacturer PHI, Inc. C. Certificate No. Address P. O. Box 90808 Foreign Certificated Mechanic Lafayette State <u>LA</u> Certificated Repair Station Clty HEER617E Certificated Maintenance Organization Ζíp 70509-0808 Country 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 App. B 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 Persons Approved by Canadian FAA Fit. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization **FAA Designee** Repair Station Certificate or Signature/Date of Authorized Individual Designation No.

Thomas L. LANDAY I

HEER617E

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 Accon	nnlished			· · · · · · · · · · · · · · · · · · ·	
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(If more space is required a	attach addilional sheets.	identiry with aircraft r	iadonamy and re	yisii alion mark and bale	work compreted,

N363BH Nationality and Registration Mark

#### RADAR ALTIMETER SYSTEM RA-4500/RAD-40 INTERFACED TO AURAL WARNING SYSTEM

- No equipment removed for this installation.
- Installed a RA-4500/RAD-40 Radar Altimeter system in accordance with PHI Drawing No. PHI-206L-12910, Rev. I, dated 06/10/2013, and PHI Picture & Sketch PHI-206L-PS-0115, Rev. IR, dated 06/04/2013. Radar Altimeter P/N 84560-12-300A is limited to Mod 3, or later approved revision for proper operation of the system installed.
- Installed the following Avionics components:

<u>MFG</u>	<u>Type</u>	<u>Description</u>	Station/Location	Circuit Breaker
Freeflight Systems	RA-4500	RCVR/XMTR Unit	160.00 / Hatrack	2 Amp
Freeflight Systems	RAD-40	Indicator	39.00/ Instrument Panel	2 Amp
NAT	NAT-247	Audio Mixing Amp	164.00 / Hatrack	1/2 Amp
NAT	611-027	Aural Warn Gen	19.00 / Avionics Shelf	1/2 Amp
Sensor Systems	S67-2002	Antenna RX	271.00 / Tailboom	N/A
Sensor Systems	S67-2002	Antenna TX	250.00 / Tailboom	N/A

- All Avionics circuit breakers are located in the aircraft manufacturer's supplied panels and are appropriately labeled. All wire used is MIL-W-22759 and MIL-W-27500 interconnect wire.
- These avionics installations are in accordance with the manufacturer's installation instructions as follows:

<u>MFG</u>	<u>Type</u>	Installation Manual Number	Revision
NAT	611-027	611-16-1	1.07
NAT	NAT-247	SM247	Α
Freeflight Systems	RA4500	84629	· J
Freeflight Systems	RAD40	84948	В

ll work accomplished i	in accordance with:		
A.C. 43.13-1B	CHAPTER 11	SECTION 3-6	Electrical loading and protection.
	CHAPTER 11	SECTION 8-17	Wire routing, marking and connecting.
• , ,	CHAPTER 10	SECTION 1-2	Weight and balance considerations.
A.C. 43.13-2B	CHAPTER 1	PARA 106 - 111	Structural mounting data.
	CHAPTER 2	PARA 202 - 206	Equipment physical mounting techniques.
	CHAPTER 3	PARA 305 - 310	Antenna physical mounting techniques.
PHI ESM-1	CHAPTER I		Helicopter Electrical Specification and
	THRU 12		Standard Practices Manual

Work performed meets the requirements of Rotorcraft Airworthiness Standards for 14 CFR Part 27 of the following paragraphs:

Equipment installed performs its intended function
Equipment installed is not a hazard in the event of a malfunction
Arrangement and visibility
Electrical loads does not exceed generator capacity
Circuit device protection
Electric cable type and load
Placards and Markings
Compass system tested and corrected
Flight Manual Supplement provided if required

				•	
337	ATTACHMENT SHEET DATED	8/1/2013	N363BH	S/N 51345	MODEL 206L-3
8.	The structural installation aspects of a approved on a Bell Model 206L-3, air By:  Louis Bellot Dated: 12-16-2011	n RA-4500/RAD craft serial number Designation Number:	er 51184 on FA imber:	ystem interfaced to an AA Form 8110-3: DERT-750020-SW PHI11-44	aural warning system was
9.	The electrical installation aspects of a approved on a Bell Model 206L-3, air By: Verl Herd Dated: 12-14-2011	n RA-4500/RAD craft serial numb Designation N Serial Numbe	er 51184 on FA Iumber:	ystem interfaced to an a AA Form 8110-3: DERT-710121-SW DERT-710121-SW-1	
10.	A flight test is required for the aircraft aural warning system. PHI Flight Test for approval on FAA Form 8110-3:	Plan No.PHI-05	0-TP-0013, Re	v. 2, dated January 23,	system interfaced to an 2012 was recommended
	By: Robert Williams Dated: 01-23-2012	Designation N Serial Numbe		DERT-710526-SW N/A	
	PHI-050-TP-0013 Rev. 4, dated 04/21 Freeflight Systems Operation/Installat operating the RA-4500/RAD-40 Rada A decal will be installed on the instrumental Altimeter alerts and will read as follows:	tion Manual 8494 or Altimeter system ment panel in lie	8, Rev. B, or la	nter revision, must be ca	
		ADIO ALTIME DH – "MINIMI IFT AGL – "AL	JMS, MINIM	UMS"	
13.	Equipment list updated to reflect insta	llation of this sys	tem.		
14.	Weight and balance amended as requi	red.			
15.	Compass system tested and corrected.				
16.	For additional installation details, refe 06/10/2013 and PHI Picture & Sketch	r to the following PHI-206L-PS-01	documents, P 115, Rev. IR D	HI Drawing No. PHI-2 ated 06/04/2013.	06L-12910, Rev. I Dated
17.	Instructions for continued airworthine		-915-206L-ICA	A-0022, Rev. IR, dated	06/14/2013are attached.
		4 N 1	15454974		

6
US Department
of Transportation
Federal Aviation
Administration

FAA Form 337 (10-06)

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

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only

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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.	Descripti	on of	Work	Accom	plished	ı

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

N3116L 7-12-12

Nationality and Registration Mark

Date

#### RADAR ALTIMETER SYSTEM RA-4500/RAD-40 INTERFACED TO AURAL WARNING SYSTEM

- 1. No equipment removed for this installation.
- 2. Installed a RA-4500/RAD-40 Radar Altimeter system in accordance with PHI Drawing No. PHI-206L-12910, Rev. H, dated December 5, 2011, and PHI Picture & Sketch PHI-206L-PS-0107, Rev. A, dated December 6, 2011. Radar Altimeter P/N 84560-12-300A is limited to Mod 3, or later approved revision for proper operation of the system installed.
- 3. Installed the following Avionics components:

<u>MFG</u>	<u>Type</u>	<u>Description</u>	Station/Location	Circuit Breaker
Freeflight Systems	RA-4500	RCVR/XMTR Unit	160.00 / Hatrack	2 Amp
Freeflight Systems	RAD-40	Indicator	39.00/ Instrument Panel	2 Amp
NAT	NAT-247	Audio Mixing Amp	164.00 / Hatrack	1/2 Amp
NAT	611-027	Aural Warn Gen	19.00 / Avionics Shelf	1/2 Amp
Sensor Systems	S67-2002	Antenna RX	271.00 / Tailboom	N/A
Sensor Systems	S67-2002	Antenna TX	250.00 / Tailboom	N/A

- All Avionics circuit breakers are located in the aircraft manufacturer's supplied panels and are appropriately labeled. All wire used is MIL-W-22759 and MIL-W-27500 interconnect wire.
- 5. These avionics installations are in accordance with the manufacturer's installation instructions as follows:

<u>MFG</u>	Type	Installation Manual Number	Revision
NAT	611-027	611-16-1	1.07
NAT	NAT-247	SM247	A
Freeflight Systems	RA4500	84629	J
Freeflight Systems	RAD40	84948	В

6. All work accomplished in accordance with:

A.C. 43.13-1B	CHAPTER 11	SECTION 3-6	Electrical loading and protection.
	CHAPTER 11	SECTION 8-17	Wire routing, marking and connecting.
	CHAPTER 10	SECTION 1-2	Weight and balance considerations.
A.C. 43.13-2B	CHAPTER 1	PARA 106 - 111	Structural mounting data.
	CHAPTER 2	PARA 202 - 206	Equipment physical mounting techniques.
	CHAPTER 3	PARA 305 - 310	Antenna physical mounting techniques.
PHI ESM-1	CHAPTER 1		Helicopter Electrical Specification and
	THRU 12		Standard Practices Manual

7. Work performed meets the requirements of Rotorcraft Airworthiness Standards for 14 CFR Part 27 of the following paragraphs:

27.1301	Equipment installed performs its intended function
27.1309(c)	Equipment installed is not a hazard in the event of a malfunction
27.1321	Arrangement and visibility
27.1351	Electrical loads does not exceed generator capacity
27.1357	Circuit device protection
27.1365	Electric cable type and load
27.1541	Placards and Markings
27.1547	Compass system tested and corrected
27.1581(b)	Flight Manual Supplement provided if required

Additional Sheets Are Attached

337	7 ATTACHMENT SHEET DATED 7-12-12 N3116	6L S/N 51529 MODEL 206L-3
8. 9.	The structural installation aspects of an RA-4500/RAD-40 Altimerapproved on a Bell Model 206L-3, aircraft serial number 51184 or By:  Dated: Louis Bellot Designation Number:  Dated: 12-14-2011 Serial Number:	n FAA Form 8110-3:
10.	The electrical installation aspects of an RA-4500/RAD-40 Altimet approved on a Bell Model 206L-3, aircraft serial number 51184 or By:  Dated: 12-14-2011 Designation Number:  Serial Number:	ter system interfaced to an aural warning system wan FAA Form 8110-3:  DERT-710121-SW  DERT-710121-SW-11/280
11.	A flight test is required for the aircraft return to service for the RA aural warning system. PHI Flight Test Plan No.PHI-050-TP-0013 for approval on FAA Form 8110-3:  By: Robert Williams Dated: 01-23-2012 Designation Number:  Serial Number:	A-4500/RAD-40 Altimeter system interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interfaced to an interface
	PHI-050-TP-0013 successfully completed on 7-24-12.	
12.	. Freeflight Systems Operation/Installation Manual 84948, Rev. B, operating the RA-4500/RAD-40 Radar Altimeter system.	or later revision, must be carried on board when
13.	. A decal will be installed on the instrument panel in lieu of a fligh Altimeter alerts and will read as follows:	nt manual supplement to alert the pilot of the Radar
	RADIO ALTIMETER VOIO DH – "MINIMUMS, MIN 200FT AGL – "ALTITUDE,	NIMUMS"
14.	. Equipment list updated to reflect installation of this system.	
15.	Weight and balance amended as required.	
16.	Compass system tested and corrected.	
17.	7. For additional installation details, refer to the following documen PHI Picture & Sketch PHI-206L-PS-0107, Rev. A.	nts, PHI Drawing No. PHI-206L-12910, Rev. H, and
18.	<ol> <li>Instructions for continued airworthiness document PHI-915-206L attached.</li> </ol>	L-ICA-0017, Rev. IR, dated December 28, 2011 are
	END	



# OPERATION / INSTALLATION MANUAL FOR FREEFLIGHT SYSTEMS RAD-40 RADAR ALTIMETER DISPLAY

WITH PART NUMBER 84939-XX

FreeFlight Systems 3700 Interstate 35 South Waco, TX 76706-3756 U.S.A. 1 (254) 662-0000 1 (800) 487-4662



# FOR FREEFLIGHT SYSTEMS RA-4000 AND RA-4500 RADAR ALTIMETERS

Document No. 84629

**Revision J** 

FreeFlight Systems 3700 Interstate 35 South Waco, TX 76706-3756 U.S.A. 1 (254) 662-0000 1 (800) 487-4662



## **EQUIPMENT MANUAL**

Product Functional Specifications and Installation Manual

**AURAL WARNING GENERATOR** 

MODEL 611-[ ]

AND

**ALL DETAIL PART NUMBERS** 

#### NAT SEATTLE, INC.

22125 17TH Avenue SE, Suite 107 Bothell, Washington 98021 (425) 4243-3370 FAX: (425) 424-3380



Validily

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US Department
of Transportation
Federal Aviation
Administration

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
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US Departm	nent		MAJ	OR REPAIR ANI	DΑ	LTERATIO	N			11/30/2	2007		For FAA Us	е Опју	
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	1. DATE								
STATEMENT OF C	;	July 19, 2013							
-			ONENT IDENTIFICATION						
2, MAKE	3, MODEL NO.	4. TYPE (Aircraft	t, Engine, Propeller, etc.)	5. NAME	OF APPLICANT				
Bell Helicopter Textron Canada Limited	206L-3	·	Aircraft		PHI, Inc.				
LIST OF DATA									
6. IDENTIFICATION									
PHI-206L-PS-0115, Rev. IR, Dated: 06/04/13	Picture and Sketch Data for Radar Altimeter System – RA-4500 / RAD-40 Interfaced to Aural Warning System and Antenna Mount STC SR09598RC in a Bell Model 206L Series Helicopter								
PHI-206L-SA-0114, Rev. IR, Dated: 07/17/13	4500/RAD-40) Interfa	Structural Analysis Report for Installation of a Freeflight Radar Altimeter System (RA-4500/RAD-40) Interfaced with an Aural Warning System in a Bell Helicopter Textron Model 206L-3/206L-4 Helicopter							
	demonstrates com subparagraph lister only of the above it.  2) This form does not substantiation of context the Electrical and separate FAA app.  3) Instructions for Conseparate FAA according This approval is varied number 513.  5) Authorization to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to according to acc	npliance only ad below as "A isted data are tonstitute F. ompliance to Flight Test I roval. Intinued Airwoeptance. Alid only for Both St. oprove the str R. Crane of the street of the str R. Crane of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of the street of	with the regulations s Applicable Requirement e approved herein. AA approval of all the the necessary requir Pilot aspects are not orthiness are not inclu- ell Helicopter Textron uctural aspects in sur	epecified ents". T e engine ements approve uded in t a Canad	es the data listed above I by paragraph and The Structural aspects  ering data necessary for for the entire alteration; ed by this form and require this approval and require a Limited Model 206L-3 a major alteration was fice (ASW-170) via email				
8. PURPOSE OF DATA Engineering design data a installation, on helicopter s	pproval (structural asperental number 51345.	ects only) in s	support of a major alto	eration,	not the workmanship or				
14 CFR Part 27 (Cert. Base 27.305(a),(b)(1); 27.307(a 27.609(a), and 27.613(d) the applicable amendment	9. APPLICABLE REQUIREMENTS (List specific sections)  14 CFR Part 27 (Cert. Basis per TCDS H2SW, Amdt. 27-1 through 27-24 and 27-28): 27.301; 27.303; 27.305(a),(b)(1); 27.307(a) [26]; 27.321 [11]; 27.337(a) [26]; 27.561; 27.601(a), 27.603 [16], 27.605(a) [16], 27.609(a), and 27.613(d) [26]. All amendment levels are 0 (original version) unless otherwise noted as [*], where * is the applicable amendment level.								
10. CERTIFICATION – Under author CFR Part 183, data listed above an comply with applicable requirement	d on attached sheets numbere	d <u>N/A</u> have be	n accordance with condition een examined in accordance	s and limil e with esta	ations of appointment under 14 blished procedures and found to				
[ [	☐ Recommend approval of ☐ Approve these data	f these data							
11. SIGNATURE(S) OF DESIGNATE	D ENGINEERING REPRESENT	'ATIVE(S)	12. DESIGNATION NUMBE	ER(S)	13, CLASSIFICATION(S)				
Ryan Guillot & 5th	<del>/</del>		DERY-830212-9	SW 	Structural .				

US Departmen of Transportation	
Federal Aviati	on

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

Form	Appi	roved	
ОМВ	No.	2120-	0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

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		Make					Model				
1. Air	craft	Bell						5L-3	7	·	· · · · · · · · · · · · · · · · · ·
		Serial No.				Nationality and Registration Mark N363BH					
		51345	n on registration c	ortifica	toi						
			-		(e)			•		ertificate)	
2. Ow	ner	Petroleu	ım Helicopters	, Inc.				Borman Drive	_	-	
							Lai	fayette, LA 70	508		
					3. 1	For FAA Use O	nly				
1	he data	a identified her	ein complies wi	th ap	plicab	le airworthi	ness req	uirements and i	s approv	ed for the	above
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	Date:				-	tor Xew				SW-BTR-FS	
						Uni Joentificati				5. Type	
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	nit	M	lake	<u> </u>		Model		Serial No	).	Repair	Alteration
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PROPE	LLER	·									4
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		Туре									
APPLIA	NCE .	Manufacturer		1							
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		Helicopters, I	nc.			U.S. Certificated Mechanic			Airframe, Powerplant, and		
P.O	Box 9	90808			V	Foreign Certificated Mechanic			Accessories Limited - Radio Class		
Lafa	yette,	LA 70509			X	Certificated Repair Station			1, 2, and 3 - CRS No. HEER617E		
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h	ave beer	n made in accorda	or alteration made ince with the requi Ince with the requi	rement	s of Pa	art 43 of the U.S	14 above 5. Federa	and described on the Aviation Regulation	ne reverse ons and th	or attachmer at the inform	nts hereto ation
Date					Sign	nature of Author	rized Inc	lividual			· · · · · · · · · · · · · · · · · · ·
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			·	7. A	pprova	ol for Return To	Service	er octo			
Purs Adm	uant to t	the authority give	n persons specific	d belo	w, the	unit identified	in item	4 was inspected in	the man	ner prescribe	ed by the
		Flt. Standards	Manufacturer		T	ection Authoriza		Other (Specify)			
BY -	FAA	Designee X	Repair Station		Perso	on Approved by ada Airworthines	Transpor s Group	t			
)ate of	Approva	or Rejection	Certificate or Designation No.		Sign	ature of Author	ized Indi	ividual	01	/	
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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	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
(If more space is required, attach additional sheets.	Identify with aircraft nationality and registration mark and date work completed.)

Installed radio slant rack and modified instrument panel according to Petroleum Helicopters, Inc. STC SH8859SW and Picture and Sketch Document Number PHI-206L-PS-0003, dated March 25, 1994, using existing manufacturer's support at station 43.16.

Veight and bala	nce amended as	required.		
			END	
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Additional Sheets Are Attached

#### **MAJOR REPAIR AND ALTERATION**

(Airframe, Powerplant, Propeller, or Appliance)

orm Approved	Electronic Tracking Numbe
MB No.	
2120-0020	
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For FAA Use Only

US Department
of Transportation

Federal Aviation Administration

INSTRU	CTIONS: Priructions and d	it or type all ent isposition of th	tries. is fo	See Title 14 C rm. This repor	FR (	§43.9, Part 4 required by	3 Appendix I law (49 U.S.)	B, and AC 43.9 C. §44701). Fa	l-1 (or illure	subsequent revision thereof) to report can result in a civil
		violation (49 U.					`	,		
		and Registration	Mark			•	Serial No.			
		116L					51529	9		
1. Aircra		11			Model					Series
	Be						206			L-3
	Name (A	s shown on registr	ation	certificate)				shown on registra		
2. Owner	, PH	II, Inc.							ce 20	01 SE Evangeline Thruway State ΙΔ
z. Owner	•							afavette 0508-2156	Cou	ntry USA
					3 F	or FAA Use		U <del>0U0=Z 10U</del>	_	- 03A
					0. 1	011777 000	<u> </u>			
4.	Туре					5. U	nit Identifica	ition		
Repair	Alteration	Unit		N	lake			Model	,	Serial No.
	$\boxtimes$	AIRFRAME					(As described in Item 1 above)			
		POWERPLAN	NT			····				
		PROPELLER								
				Туре						
		APPLIANCE					-			
				Manufacturer	•					
				6	. Co	nformity Sta	atement			
A. Agenc	y's Name and	d Address				nd of Agenc				
Name	BELL HE	LICOPTER TEX					ted Mechanic			Manufacturer
Address		NT DES MOU		<del></del>			ficated Mecha	nic		Certificate No.  B B1H2300N Limited Airframe
City Zip	TAFAYET 70507		tate I.S.A	LA		Certified Rep	air Station ntenance Orga	nization		ited Specialized Services
ΖIŲ	70507	_ Country _C	J.A	• 1		Certified Mail	iteriance Orga	anization		inted Opecianzed Gervices
have	e been made i	pair and/or alterant accordance wi true and correc	th the	e requirements	of Pa	irt 43 of the U	em 5 above ar .S. Federal Av	nd described on viation Regulatio	the re	verse or attachments hereto d that the information
	l range fuel		Sig	nature/Date of	Auth	orized Indivi	dyla	/ .	/	
per 14 CF App. B	FR Part 43					/H	Z 1)	9/28/	11	
Дрр. Б			L	7. /	Appr	oval for Ret	urn ⁽ To Servi			
Pursuant Administ	t to the author rator of the Fo	ity given perso ederal Aviation	ns sp Adm	pecified below, inistration and	the (		l in item 5 wa APPROVED			anner prescribed by the
BY	FAA FIt Inspect	Standards or		Manufacture		Maintena	ance Organiz	ation		Persons Approved by Canadian Department of Transport
	FAA De	signee	Х	Repair Statio	n 🗀	Inspection	n Authørizati	on	Other	(Specify)
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B1H2300			JAS	SON PICARD		F	VV	5/78/1	/	

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.	Descri	ption c	of Work	Accom	plished
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(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N3116L 05/09/2012

Nationality and Registration Mark Date

NOMENCLATURE: REAR FACING KICK PANEL ORIGINAL PART NUMBER: 206-033-113-005 UPGRADED TO PART NUMBER: 206-033-113-011

**SERIAL NUMBER: BP0000031** 

**WORK ORDER NUMBER: W174109AA** 

OVERHAULED PANEL	MENTIONED A	ABOVE IN A	CCORDANCE	WITH BELL I	HELICOPTER
TEXTRON, INC. FAA	APPROVED C	OVERHAUL P	ROCEDURE	NUMBER PH	-450-OP-013,
REVISION B, DATED				DANCE WITH	OVERHAUL
PROCEDURE PHI-450-C	P-050 DATED	10/15/02 REVI	SION E.		

-----END-------

Additional Sheets are Attached

<b>Q</b>
US Department
of Transportation
Federal Aviation
Administration

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

OMB No. 2120-0020	Electronic Tracking Number
11/3 <u>0/2007</u> F	or 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

	ns and dispos ation. (49 U.S.				. This report is requi	ired	by	law (49 U.S	S.C. §447	701). F	ailure	to repo	ort can re	sult in a civ	vil penalty for	r each
		Nationality and Registration Mark N236PH							Serial No. 51345							
1. Aircraft	Make								Model	l .			· T	Series		-
	Bell									206				L-3		
	Name (A	s show	n on re	egist	tration certificate)				Addre	ss (As	show	n on reg	gistration	certificate)	- " Thems	
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4. Ty	ype				·	5.	. Un	it Identifica	ation					_		
Repair	Alteration		Unit	nit Mak							Мо	del		Serial No.		
	$\square$	AIRF	RAME		<u>u=</u>				(As described in Item 1 above)			above)				
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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.

			N230	6PH	AUG 1 5 2013
			Nationality and R	_ Registration Mark	Date
		STC INST	<b>FALLATION</b>		•
	ing and Docume	estrument Panel in eent List No. PHI-20			SR09594RC and December 28, 201
		nent number PHI-9 ion and is inserted			, dated January 5,
Instructions for Codated September 2				HI-206L-ICA-(	0003, Revision IR,
Compass tested an	nd corrected as r	required.			
Actual weight and	balance compli	ied with.			
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### **MAJOR REPAIR AND ALTERATION** (Airframe, Powerplant, Propeller, or Appliance)

Form Approved	_
OMB No. 2120-0020	
For FAA Use Only	
Office I despite a time	

Federal Aviation Administration

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions

and disposition for each such	tion of this form. The th violation (Sectio	iis report is require in 901 Federal Avia	d by law tion Ac	v (49 l t of 1	J.S.C. 1421), Fa 958).	ilure to re	eport c	an result in a	civil pena	Ity not to exc	eed \$1,000	
1. Aircraft	Make Bell	•				Model	20	06L-3			·····	
i. Alleran	Serial No.	51345			:, :		lity an	d Registratio	n Mark			
	Name (As shown	on registration ce	rtificate	9)		Address (As shown on registration certificate)						
2. Owner	Taylor	Energy Co	ompa	ny	ny 234 Loyola Bldg New Orleans, LA						500	
				3. F	or FAA Use O	nly						
W-14					· · · · · · · · · · · · · · · · · · ·		•		·			
	T	-		4. L	Jnit Identificati	on	1			5. Type	5. Type	
Unit	Ma	ake			Model			Serial No	).	Repair	Alteration	
AIRFRAME	•••••	*************************	As desc	cribed	d in Item 1 abov	(e) <b></b>	*****				x	
POWERPLANT												
PROPELLER									·			
APPLIANCE	Type Manufacturer											
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A. Agency's N	ame and Address			B. I	Kind of Agency U.S. Certificated				C. Certi	ficate No.		
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Date 'June	1, 1990			Sigi	nature of Author	rized Indi	lividua	1 1a	Jim	Grave	8	
			7. Ap	prova	ol for Return To	Service				<del></del>		
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Date of Approv	al or Rejection T	Certificate or Designation No. AE2R687K		Sign	ature of Autho	rized Indi	vidual د حــ	1	Jim (	Fraves		
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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.)

Removed BR-1 Gyro at station # 34.0. Removed 18.0 lbs of balast at station # 16.4. Removed 10.0 lbs of balast at station # 29.2. Removed 27.0 lbs of balast at station # 13.0. Removed 14.0 lbs of balast at station # 35.0.

Installed A KT 76A transponder at station #40.5. Installed a IImorrow 428-2003 Encoder under pilots seat at station # 68.5, wired it to the KT 76A transponder. The Encoder is fused separtely and uses an in-line fuse holder with a 2amp fuse.

Installed an Apollo II 618C Loran in right hand side of Instrument panel at station # 36.5. Installed an A=16 antenna on top of fuselage at station # 80.0. Installed a 5 amp circuit breaker in the circuit breaker panel and labeled it "Loran". Installed a switch in left hand side of the instrument panel to switch Nav of Loran to H.S.I. Installed annunciator adjacent to the H.S.I., and placarded it "Loran in use." Ref AC 20-121, par. 7a, (1), (2), (4), app. 1, par. 3a,b,&f. Aircraft placarded "LORAN C NOT APPROVED FOR I.F.R." Normal operation procedures are described in Apollo 618 Loran C Pilots guide.

Installed Wulfsberg RT 128 and RT 406F, in left hand side of the pedistal at station 17.0. Installed Wulfsberg Cl000 control head in center of radio rack at station # 42.0.

Installed a KCS 55 Compas system. Installed a KI 525A in right hand side of instrument panel at station # 36.5. Installed a KG 102 Gyro on floor under the pilots seat at station # 68.2. Installed KA 51 Slaving accessory in left hand side of instrument panel at station # 212.0.

Installed a KR 22 Marker beacon in left hand side of instrument panel Installed a KN 63 DME under Co-pilots seat at station # 37.5. Installed a KMA 24H-52 Audio panel in the at station # 68.2. Installed a KX 155 Nav Com with Glide radio rack at station #41.0. Installed a KR 87 ADF slope in the radio rack at station # 40.0. Installed a KN 72 Nav in center of radio rack at station # 40.0. converter under Co-pilots seat at station # 170.0. Installed a HS-4 Handset in glove box in aft passenger compartment at station Installed KR 87 in center of radio rack at station # 40.0. # 88.0. Installed a Pointer 3000 ELT above left hand baggage compartment at station # 170.0.

Installed a KDI 572 DME indicator in left hand side of instrument panel at station # 37.5. Installed a KI 227-01 ADF indicator in bottom center of instrument panel at station # 37.2.



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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43. Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958)

for	each suc	ch violation (Sect	ion 9	01 Federal Aviatio	n Ãct	of 19	958)	).		,		•	<del>-</del>		
	_	Make Bell			***************************************	mareconnistenes acce			Model 20	6L-3					
1. Ai	ircraft	Serial No. 5152	29		02-00-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-00-12-0	00000000000000000000000000000000000000	**********		Nationality and Registration Mark N3116L						
2. O	wner	Name (As sho PHI, Inc.	wn oi	n registration cert	ificate	e)	***************************************		2001 SE	Evange	own on regis eline Thruw 0508-2156		tificate)		
						3.	. Fo	or FAA Use Or	ıly						
	participation of the state of the					4.	Un	nit Identificati	on	2 To programming the Science			5. Type		
	Unit	Make						Model			Serial No		Repair	Alteration	
AIRF	RAME	(As des						in Item 1 abo	ve)				×		
POW	ERPLANT	-													
PROI	PELLER														
APP	Type PLIANCE Manufacturer														
**********								formity State	ment						
		Name and Addre	SS			B	3. Ki	ind of Agency		******************************		C. Certifi			
РНІ, Р. О.	Inc. Box 9080	8				-		U.S. Certificate	***************************************	***************************************		HEER617E Airframe, Powerplant, and			
Lafa	yette, LA	70509				7	×	Certificated Rep				1	ccessories Lim Idio Class 1, 2		
~~~			nvalan source on ou		DOVINGE CHICAGO			Manufacturer		***************************************	924402424000000042400000000000000000000	<u> </u>		***************************************	
D.	,	,		ation made to the uni											
acco Date		th the requirements	of Par	rt 43 of the U.S. Fede	ral Avia	OF CASE VANCOUS CONTRACTOR		ulations and that the start of Autho	COMMUNICATION CONTRACTOR CONTRACT		ned herin is tru	e and correc	t to the best of r	ny knowledge.	
Date		25-106)	ngi i				500	>			
					7. A	ppro	val	for Return T	o Serviče						
				ersons specified be ion Administration				identified in iter APPROVED	n 4 was ir □ F	nspecte REJECTE	d in the man D	iner presci	ibed by the		
BY	3 3	A Flt. Standards pector		Manufacturer				ection Authoriz			ner (Specify)			
		A Designee	×	Repair Station		C	Can	son Approved I ada Airworthin	ess Grou	Р			000000		
Date of Approval or Rejection Certificate or Designation No. HEER617E						Signature of Authorized Individual									
F/	NA Form	337 (12-88)		e Mariannia e considera in considera e e e e e e e e e e e e e e e e e e	ŧ	Electron	nic V	ersion (Adobe)	7.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		1	0.38469594170010138500170°73454443E1V	***************************************	ukan mining magapang manang mang magapang manang manang manang manang manang manang manang manang manang manang	

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.	Desc	ription	of Work	Accomp	lished

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

Part Nomenclature:			er Shell Assembly Part Number:	206-033-099-223
Repair Number:		ell Assembly -206L-RP-0115	Serial Number:	N/A
respent reamour.		2002 14 0113	_ 501141 1 (4111501)	
Replaced middle st .020 thick with a .0	tiffener P/N 1 032 thick ove	51-028A50204 erlay aluminum	using adhesive lis doubler to upper	side of shell assy. as required sted. Installed aluminum fille side of Aft. lower shell usin ther repair as required.
a .032 thick alumin	num filler with dhesive and N	h a .040 thick alı	ıminum doubler o	hell assy. as required. Installe overlay at the fwd. edge of th glass overlays at both bottor
1 1				
(Bottom side repair Replaced stiffener	P/N 151-028	A50204 using a	dhesive listed. Ins	from shell assy. as required stalled a .020 thick aluminurd NAS9303B-4 rivets.
(Bottom side repair Replaced stiffener filler with a .032 thi	P/N 151-028 ick aluminum made accordi	A50204 using acdoubler overlaying to the manu	Thesive listed. Insusing adhesive and facturer's helicop	stalled a .020 thick aluminur d NAS9303B-4 rivets. ters structural repair manua
(Bottom side repair Replaced stiffener filler with a .032 thi Structural repairs 1	P/N 151-028 ick aluminum made accordinis repair exce	A50204 using acd doubler overlaying to the manuseded the limits as	Thesive listed. Insusing adhesive and facturer's helicops specified in the n	stalled a .020 thick aluminur d NAS9303B-4 rivets. ters structural repair manua nanual.
(Bottom side repair Replaced stiffener filler with a .032 this Structural repairs a except the size of the Approval received for the size of the size	P/N 151-028 ick aluminum made accordinis repair exce	A50204 using acd doubler overlaying to the manuseded the limits as	thesive listed. Insusing adhesive and facturer's helicops specified in the natural approved on FAA	stalled a .020 thick aluminur d NAS9303B-4 rivets. ters structural repair manua nanual.

Additional Sheets Are Attached

G
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
F	or FAA Use Only

Administratio	on													
instruction	s and dispos tion. (49 U.S.	ition of th C. §4630	is form. 1(a))	es. See Title 14 (This report is req	CFF Juire	R §∠ ed b	43.9, Parl y law (49	U.S.C. §	§44701). Fa	nd AC ailure t	43.9- to repo	1 (or sul ort can re	bsequent revi esult in a civil	sion thereof) for penalty for each
	Nationality N311	•	gistratio	n Mark				Serial No. 51529						
1. Aircraft	N311 Make	OL						- Mc	odel				Series	
	Bell						206					L-3		
. LELIES	Name (As	s shown o	n regist	ration certificate)		Address (As shown on registration of Address 2001 SE Evangeline Thru								
2. Owner	PHI,	Inc.						Add City			varige		State LA	
												untry USA		
	1					3. F	or FAA L	se Only						
		,	•											
4. Ty	/pe					5. L	Unit Ident	fication						
Repair	Alteration	Ur	nit		Mak	(e		_		Mod	lel		Serial No.	
V		AIRFRA	AIRFRAME					As describe	ed in It	tem 1 ε	above)			
		POWER	ERPLANT											
		PROPE	LLER											
				Туре					· —					
		APPLIA	NCE	Manufacturer										
	1			1	6.	Co	nformity	<u> </u> Stateme	nt					
A. Agency's	Name and A	ddress			Ì		Kind of A							
Name PHI,		_				\Box		rtificated N					anufacturer	
1 -6-	<u>. Box 90808</u> vette	8		State LA	-	_		Certificate ed Repair	d Mechanic			C. Cert	tificate No.	
		untry US/	4	3,000 🛂	- _	Y		· · · · · · · · · · · · · · · · · · ·	enance Orga	nization	1		HEER	317E
D. I certify	y that the reposeen made in	pair and/c	or alterat nce with correct t	tion made to the u the requirements to the best of my ki	of F now	Part vled	t 43 of the Ige.	n item 5 U.S. Fed	deral Aviatio	on Reg	gulatior	ns and th	hat the informa	hments hereto ation
Extended ra			Signa	ature/Date of Autho	oriz	ed I	Individual		Terrel	1 K.	me (a	non		
App. B			17	mull K. Me	la	no	ou						4,	1-2012
				7. /	App	orov	val for Re							
Pursuant Administra	to the authoritor of the Fed	ority give deral Avia	n perso	ons specified beloministration and is	ow,	th∈	e unit id		n item 5 oproved		inspect Rejecte		he manner p	rescribed by the
l Ir	AA Flt. Stand	A Fit. Standards Manufacturer				Ma	aintenanc	• Organiz	zation				ved by Canadiar Transport	n
BY F	AA Designee				-	Ins	Inspection Authorization Other (Specify)							
Certificate or			Signa	ature/Date of Author	oriz	ed l	Individual		Ten	rell K	. Me	lancus	٨	
Designation 	No. HEER617E			ull k. Me	1				, •					4-1-2012
	····		<u> 1 /l.</u>	mar. The	<u> Ca</u>	mc	-							1 1 00160

8. Description of Work A (If more space is requ	Accomplished ired, attach additional sheets. i	Identify with airc	raft nationality and registra	tion mark and date	work completed.)	7	
			N3 ²	16L	4-1-2012		
	•		Nationality and F	Registration Mark	Date		
		Struck	tural Repai	ir			
	Repa	air of Eng	gine Pan at Sta	. 166.83			
Part Nomenclatur	Part Nomenclature: Engine Pa		Part Number:		206-032-315-141		
Repair Number:		-RP-0214		er:	N/A		
Fabricated & inst		/4 hard sta	inless steel filler v	vith a .020" 1	Sta. 166.83 as required thick 1/2 hard stainles		
	made according to the exceeded the limits a			structural rep	pair manual, except th	e	
	l for this repair accor Louis Bellott	-	a approved on FAA ion Number:		-3. 750020-SW		
Dated:	3-28-2012		erial Number:		PHI12-10		
Weight and Balan	ce Negligible.						
			END				
			·—··				
		Additiona	al Sheets Are Attached				

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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
	or 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 violat	ion. (49 Ú.S.	C. §4630	01(a))												
	Nationality	•	egistratic	n Mark				Serial No.							
1. Aircraft	N311	6L							51529				Corica		4
i. Anciait	Make Bell					•		Mode	ો 206				Series L-3		
								10.1.1						1	4
			on regis	tration certificate)				Addres	Address (As shown on registration certificate) Address 2001 SE Evangeline Thruway					_	
2. Owner	PHI,	inc.						City	city Lafayette State LA					_	
								Zip	70508	3-2156	<u> </u>	Cou	ntry <u>USA</u>		_]
						3. F	or FAA Use	Only							\Box
															•
4. Ty	pe			,		5. U	Init Identific	ation							
Repair	Alteration	tion Unit M								Mod	lel			Serial No.	
[7]		AIDED	AIRERAME					(As	(As described in Item 1 above)						$. \ \]$
$\overline{\mathbf{V}}$	\sqcup	AIRFRAME						(10 dobolisod ili italii i doboto)						\dashv	
		POWE	RPLANT											1.77	
		PROPE	ELLER												
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		(" "	101	Manufacturer											
			-												_
	N				6.		nformity Sta								_
A. Agency's Name PHI,	Name and A	uaress	 			B. r	Kind of Agen	gency rtificated Mechanic Manufacturer						_	
-	. Box 90808	3				$\vdash \vdash$	Foreign Cerl						ificate No.		
city Lafa	yette			State LA	_	1	Certificated							ER617E	
Zip <u>7050</u>	9-0808 co	untry <u>US</u>	6A				Certificated	Maintenar	nce Orga	nizatior	1		UCE	_:\O / L	
have b	een made in	accorda	nce with	tion made to the the requirements to the best of my l	s of I	Part	43 of the U.S	em 5 ab 3. Federa	oove and al Aviatio	d desc on Rec	cribed o	on the re	verse or at nat the info	ttachments hereto rmation	
				ature/Date of Auth					Ten	11 1	c K	1, Ca.	1000		_
Extended raper 14 CFR							1	•	jerr	eu 10	FE.	CUT	con		
Арр. В	ļ			time K.	70	U	lane-							4-1-2012	
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Pursuant Administra	to the author	ority give	en pers ation Ac	ons specified be ministration and is	elow, s	, the	unit identi	fied in i ☑ Appro	item 5 oved		nspect Rejecte		ne manne	r prescribed by th	.е
l lir	AA FIt. Standards Manufacturer				Ма	intenance O	rganizati	ion				ved by Cana Transport	adian		
BY -	AA Designee		X Rep	pair Station		Ins	spection Auth	orization	Other (Specify)						
Certificate or			Sign	ature/Date of Auth	horiz	zed I	ndividual	10	ivell	IC.	Me	CAn	2 1		
Designation	No.							10	~ vev	(-	🖵	· , C/L		1 1	
	HEER617E			emu K.	2	Vu.	lane						4	1-1-2012	

			N3116L	4	1-2012
		L Na	tionality and Registra		Date
	<i>Stri</i> Repair of I	uctural I Engine Par	-	72.53	
art Nomenclature:	Engine Pan A	Assy. Part Nu	mber:	206	5-032-315-141
epair Number	PHI-206L-RP		ial Number		N/A
				-	
ne size of this repair e pproval received for y DERMichael 7	xceeded the limits as this repair according T. Cox D	s specified in the to data approved esignation Numb	manual. d on FAA Formoer: DER	_	W
e size of this repair e pproval received for y DERMichael 7	xceeded the limits as this repair according T. Cox D	s specified in the to data approved	manual. d on FAA Formoer: DER	n 8110-3.	W
pproval received for y DER Michael 7 ated 6-20-03	this repair according C. Cox B. B.	s specified in the to data approved esignation Numb	manual. d on FAA Formoer: DER	n 8110-3. T-710057-S	·
pproval received for y DER Michael 7 ated 6-20-03	this repair according C. Cox B. B.	to data approved esignation Numb 110-3 Serial Num	manual. d on FAA Formoer: DER	n 8110-3. T-710057-S	·
• • • • • • • • • • • • • • • • • • • •	this repair according C. Cox B. B.	to data approved esignation Numb 110-3 Serial Num	manual. d on FAA Formoer: DER	n 8110-3. T-710057-S	W

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					

Federal Avia Administration		•	-	•	-			•					
instruction	CTIONS: Print ns and disposation. (49 U.S.	sition of th	his form	ies. See Title 1 i. This report is	4 CFF require	R §4 ed t	43.9, Part 43 by law (49 U.	Appendix B, S.C. §44701).	and A	C 43.9 to rep	-1 (or sub ort can re	sequent result in a civ	evision thereof) for vil penalty for each
	Nationalit N363	ty and Re		on Mark				Serial No. 51345					
1. Aircraft	Make					—		Model				Series	
	Beil							206				L-3	
	Name (A	s shown (on regis	stration certificate)			Address (As	show	n on re	gistration	certificate)	geline Thruway
2. Owner	PHI,	Inc.							ility As iyette	35UI am	Ce Zuu , .	3E Evans	State LA
								ı · —	08-21	56	Coun	ntry <u>USA</u>	
						3. F	For FAA Use	Only					
													·
4. Ty	/pe				_	5. U	Unit Identifica	ation					
Repair	Alteration	U	nit		Mak	æ		<u> </u>	Mo	del			Serial No.
V		AIRFRA	ME			_		(As describ	ed in	Item 1	above)		
		POWER	RPLANT			_		 					
		PROPE	LLER										
				Туре		-							
	_ '	APPLIA	NCE	Manufacturer				;			ı		
		1		Manuaccio				ı			ı		
	<u></u>	<u> </u>			6.	Cor	nformity Stat	tement					
	Name and Ad	ddress					Kind of Agenc	у					
Name <u>PHI,</u>					_					ufacturer			
) <u>. Box 90808</u> vette	<u>}</u>		State LA	— ļ	7		ficated Mechanic		!	C. Certific	cate No.	
·	-	untry USA		_ State LA	— ·	4		Repair Station Maintenance Orga	nizatic			HEEF	R617E
D. Loertify	v that the rep	pair and/o	r alterat	tion made to the	unit(s	s) id	dentified in ite	em 5 above and	d des	cribed o	on the revo	erse or atta	achments hereto
furnish	een made led herein is t	rue and r	correct to	to the best of my	/ know	/ledg	ge.	. F6u6iai /1	On the	guians.	15 and a		
Extended ran			Signa	ature/Date of Aut	thorize	ed Ir	ndividual						
oer 14 CFR i	Part 43		10	1. 0 00	\circ		11		Patr	ick P. I	Mc Donal	ld	04-08-2013
Арр. В . 			10				ald	1 Overlan	. 				
Dureuant 1	to the puths	-the also	n norec				al for Return		Mac	inenect	ed in the		prescribed by the
Administrat	tor of the Fed	deral Avia		ministration and		1116	VIIII IUEIMIN	Approved		Rejecte	ed		
	AA Flt. Standa spector	ards	Man	ufacturer		Mai	intenance Org	ganization	- DE	Depar	tment of Tra	ed by Canadia ansport	an
()	AA Designee	х	Rep	alr Station		Ins	spection Author	orization	Otne	er (Spe	city)		
ertificate or esignation N			1 ~	ature/Date of Aut									
•	NO. HEER617E		-	H. DM	$R_{i,j}$	ľ۸	a () ()		Patr	ick P.	Mc Dona	ild	04-08-2013

8. Description of Work Accomplisi (If more space is required, attach	hed additional sheets. Identify with aircraft n	nationality and regist	ration mark and date	e work completed.)
		N3	63BH	04-08-2013
			Registration Mark	Date
	Structui	val Pan	aiv	
	Repair of	_		
Dout Noman alatawa				206.022.215.142
Part Nomenclature: Repair Number:	Engine Pan Assembly PHI-206L-RP-0224	Part Number: Part Serial Nu		206-032-315-143 N/A
Repair Number,	1111-200L-KF-0224	ran Senai Nu		IN/A
Cut out modified area of stainless steel filler and and added rivets. The stainless steel. The mid stainless steel repair an existing rivets and added 0224 Revision IR, dated Structural repair made at the size of this repair exception.	according to the manufacture ceeded the limits as specificate as repair according to data a	d 2 each filler oler. Installed oper was remired using a .0 and repairs we need in accordance of the manual approved on F	s using .012 arepair using shoved and respond and respondence of the control of t	stainless steel, a .025 ealant, existing rivets fabricated using .032 steel filler and a .032 sing firewall sealant, pair # PHI-206L-RP-repair manual, except
Dated 04-02-2013		al Number:	13-07	212 5 11
Actual Weight and Balan	nce complied with.	D		
		por total		
		•		
			. *	
	Additional Si	heets Are Attached		

U.S. DEPARTMENT OF TRANSPORTATION

1. DATE

FEDERAL AVIATION ADMINISTRATION STATEMENT OF COMPLIANCE WITH AIRWORTHINESS STANDARDS					April 2, 2013
			ONENT IDENTIFICATION	1	
2. MAKE	3, MODEL NO.		ne, Radio, Helicopter, etc.)		OF APPLICANT
Bell Helicopter Textron Canada Limited	206L-3	F	Helicopter		PHI, Inc.
		LIST OF DA			
6. IDENTIFICATION			7. TITLE		
PHI-206L-RP-0224, Rev. IR, Dated: 02/28/13	Repair Procedure for En Bell Model 206L-3 Helic			(Cutout	t for Air Conditioner) on a
PHI-206L-SA-0111, Rev. IR, Dated: 04/01/13	Structural Analysis for R Previous Alteration)	≀epair Proce	dure PHI-206L-RP-02	224 (En	gine Pan Repair Due to
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!					,
		iance only wi below as "Ap	ith the regulations spe oplicable Requirement	ecified b	the data listed above by paragraph and e <u>Structural</u> aspects only
	of the above listed da 2) This form does consti	• •		neering	data necessary for
	substantiation of com	pliance to th	ne necessary requiren	ments fo	or the entire repair.
	3) This approval is valid serial number 51345.				
	4) Authorization to appro granted by Martin R. (dated April 1, 2013.	ove the struc Crane of the	tural aspects in supp Rotorcraft Certification	ort of th on Offic	nis major repair was ce (ASW-170) via email
8. PURPOSE OF DATA Engineering data approval for helicopter serial numbe		in support of	f a major repair, not th	ne work	:manship or installation,
9. APPLICABLE REQUIREMENTS (L. 14 CFR Part 27 (Cert. Bas 27.307(a) [26], 27.601(a), (original version) unless of	sis per TCDS H2SW, Am 27.603 [16], 27.605(a) [16 therwise noted as [*], wher	6], 27.609(a) re * is the apj), and 27.613(d) [26]; plicable amendment l	all ame level	endment levels are 0
10. CERTIFICATION – Under authori Part 183, data listed above and on a with applicable requirements of the	attached sheets numbered <u>N/A</u>	nistrator and in a have been exar	accordance with conditions at mined in accordance with est	nd limitation tablished	ons of appointment under 14 CFR procedures and found to comply
L MISS. Therefore	Recommend approval of the Approve these data	:hese data			•
1 (NG) Therefore	· · · · · · · · · · · · · · · · · · ·		IS SECONATION NUMBER	7(0)	TAR OLABORIOATION(S)
11. SIGNATURE(S) OF DESIGNATE	D ENGINEERING REPRESENTATION	VE(S)	12. DESIGNATION NUMBER	-	13. CLASSIFICATION(S)
Ryan Guillot			DERY-830212-S		Structural
U					
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Q
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	
F	or FAA Use Only	

3-4-2012

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)) Nationality and Registration Mark Serial No. N3116L 51529 1. Aircraft Make Model Series Bell 206 L-3 Name (As shown on registration certificate) Address (As shown on registration certificate) Address 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafayette State LA 70508-2156 Country USA 3. For FAA Use Only 4. Type 5. Unit Identification Repair Alteration Unit Make Model Serial No. (As described in Item 1 above) \mathbf{V} AIRFRAME POWERPLANT **PROPELLER** Type APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency Name PHI, Inc. U. S. Certificated Mechanic Manufacturer Address P. O. Box 90808 Foreign Certificated Mechanic C. Certificate No. Lafayette State LA City Certificated Repair Station HEER617E Country USA Certificated Maintenance Organization 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. Signature/Date of Authorized Individual Tewell K MelAncow Extended range fuel per 14 CFR Part 43 App. B 3-6-2012 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 Rejected ✓ Approved FAA Flt. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) FAA Designee Inspection Authorization Repair Station Ferrell K. Melanwa Certificate or Signature/Date of Authorized Individual Designation No. Tenue 1. Melana HEER617E

			N3116L		3-6-2012
•			Nationality and Registr	ation Mark	Date
	Stru	ctural	Repair		
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	Repa	air of Roc	of Beam		
Part Nomenclature:	Roof Be	am Assy.	Part Number:	206.0	22 210 101
Repair Number:		L-020	rant Number.		33-210-101
Monte Acres 11 1 1	D1 1 1				
Vork Accomplished:	Blended area	as on RH &	LH Roof Beam A	ssembly r	near Station
48.22 where rollove	er frames attac	ch. Perform	ed Fluorescent Per	netrant In	spection as
equired. Treated and	primed areas,	then applied	d shimming compor	und to ble	ended areas
nd sanded smooth as	per repair # 12	<u>:RL-020.</u>			
Structural repairs ma	ide according	to the man	ufacturer's helicopt	ters struc	tural repair
nanual, except the siz	e of this repair	exceeded the	e limits as specified	in the ma	nual.
A 1 1.0					
Approval received for	this repair acc	ording to dat	a approved on Form	1 AE-100-	·1.
Certification	M. Bouchard	Certification	on Delegate	CD	029
Delegate	Bouchard	Number:	II Delegate	CD	029
Dated:	3-1-2012		ial Number:	C2	586
Veight and Balance N	egligible.				
-					
		END			

# BELL HELICOPTER TEXTRON CANADA LTD.

## CIVIL CERTIFICATION

DAO# 92-Q-01

TRANSPORT CANADA STATEMENT OF COMPLIANCE  REF: EDRN # SHEET: 1 OF: 1	Caye Code 66738		IDATE:	1	S.O.C. SE	RIAL NO:	ISSUE :
TRANSPORT CANADA STATEMENT OF COMPLIANCE  REP. EDRN #  MODEL TYPE:  MODEL (S):  CERTIFICATION BASIS (REPERENCE TODS or GCP):  TCDS H=92  24  TCDS H=92  CHANGE DEFINITION (Drawing list)  TCDS H=92  TCDS H=92  STRUCTURAL REPAIR ON ROOF BEAM INSTIL PIN 206-033- FIELD REPAIR 12RL-029  STRUCTURAL REPAIR ON ROOF BEAM INSTIL PIN 206-033- OPERATED BY PHI, INC.  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  11 PAGES  ATTACHMENTS:  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE:  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE:  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE:  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE:  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE:  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE:  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE:  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE ASPECT ONLY OF THE FIELD REPAIRS AND NOTTE ASPECT ONLY ONLY ONLY ONLY ONLY ONLY ONLY ONLY			DATE: 03/01	1/12			
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ROTORCRAFT  CHANGE DEFINITION (Drawing list)  TITLE  STRUCTURAL REPAIR ON ROOF BEAM INSTL PIN 208-033-1121-101, ON MODEL 2061-3, SIN 51629, T.T. 16183:06 HOURS, S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200 M.A. S. 15,200	STATEMEN	r of compliance	REF: EDRN #		SHEET: 1		OF: 1
CHANGE DEFINITION (Drawing list)  TITLE  STRUCTURAL REPAIR ON ROOF BEAM INSTIL PIN 208-033- 12RL-020  210-101, ON MODEL 206-1-3, NN 51529, T.T. 16183:05 HOURS, OPERATED BY PHI, INC.  PERATED BY PHI, INC.  Specialty Cert Para MoC S 76.201 a), b) A S 76.202 a), b) A S 76.201 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.201 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.201 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A S 76.202 a), b) A	MODEL TYPE:	MODEL (S):	CERTIFICATION BASIS (REF		FERENCE TCDS or GCP):		REVISION:
NUMBER  TITLE  FIELD REPAIR  12RL-020  210-1011, ON MODEL 2061-3, SN 51529, T.T. 18183:05 HOURS, OPERATED BY PHI, INC.  OPERATED BY PHI, INC.  ATTACHMENTS: 11 PAGES  ATTACHMENTS: 11 PAGES  DAMAGE DESCRIPTION: 4 PAGES  REPAIR INCLUDING COVER MEMO: 7 PAGES  NOTE:  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOT THE WORKMANSHIP AND INSTALLATION.  Paragraphs not listed are considered to have negligible or no effect with reapest to the listed changes  LIST OF SUBSTANTATING DOCUMENTATION  NUMBER  TITLE  THE PURPOSE OF THE DATA IS TO APPROVE THE ENGINEERING ASPECT ONLY OF THE FIELD REPAIRS AND NOT THE WORKMANSHIP AND INSTALLATION.  Paragraphs not listed are considered to have negligible or no effect with reapest to the listed changes  LIST OF SUBSTANTATING DOCUMENTATION  NUMBER  TITLE  THE DATA ISTED AND MEMBERS AND STREEPAIR ORR. OSSB. xism  NIA  Paragraphs not listed are considered to have negligible or no effect with reapest to the listed changes  CERTIFICATION  CERTIFICATION  CERTIFICATION  LINES CANADISCAN OR ANTACHED SHEETING HAVE BEEN GAMING.  PARAGRAPH AND AND SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN GAMING.  THEREFORE RECOMMEND  AND PROVIDED AND AND OR ATTACHED SHEETING HAVE BEEN	ROTORCRAFT	208L-3		TCDS F	1-92		24
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12RL-020

S/N 51529

PHI, INC.

#### **MODEL 206L-3**

#### **ROOF BEAM INSTL**

#### PART NUMBER 206-033-210-101

NOTES: Refer to BHT-ALL-SRM, Sections 3 & 4 and to Appendix "A" respectively for process sheets and for standard repair materials.

Refer to BHT-ALL-SPM, Section 13 for Item C-xxx definitions.

All repair procedures to be carried out in accordance with BHT-ALL-SRM approved processes.

The Instructions for Continued Airworthiness (ICA) are not affected by this repair.

### 1.0 REQUIRED:

1.1	Chemical film material:	(Item C-100)	
1.2	Epoxy polyamide primer:	(Item C-204)	
1.3	Shimming compound:	(Item C-567)	
	Mix ratio: Pot life at 65° to 85°F: Drill time at 65° to 85°F: Cure time at 65° to 85°F:	100 parts A for 14.4 parts B by weight 1 hour A minimum hardness of Shore D 55 (Recommended minimum 4 hours) A minimum hardness of Shore D 75 (Recommended minimum 6 hours)	
1.4	Acet Isopr	ropyl Alcohol (Item C-385) natic Naphtha (Item C-305)	
1.5	Process Sheets: Chemical Film Applica	ation on Aluminum and Titanium Parts	(Para. 3-2-14)

#### 12RL-020

#### S/N 51529

#### 2.0 PROCEDURE:

Gain access to damaged areas recording type, size and location of fasteners removed. 2.1 See figure 1 & detail A.

Do not increase existing depth of damage. 2.2 Notes:

Ensure smooth transition all around reworked areas.

Surface roughness of roof beams upper outboard flange shall be

63 microinches or better.

Suggested method: lightly abrade roof beams upper outboard flange

surface with 180 grit or finer abrasive paper.

Blending to be performed by sanding in beams longitudinal (FWD-

AFT) direction.

Blend damaged area of LHS/RHS roof beams upper outboard flange smooth as shown in view B-B and section C-C. Maintain a 20:1 length to depth ratio along roof beam axis. Minimum remaining material thickness to be 0.095 inch for LHS beam and 0.090 inch for RHS beam as shown in detail D.

Care to be taken to prevent fluorescent penetrant fluid from flowing 2.3 Note: between roof beams and roof shell.

Fluorescent penetrant inspect reworked area of LHS/RHS roof beams to ensure no damage remains and surface is smooth per BHT-ALL-SPM, paragraphs 6-2 to 6-16. If such damage exists, resubmit to PSE with additional information describing extent of damage.

Do not apply excessive amount of chemical film material. 2.4 Note:

> Brush apply chemical film material specified in 1.1 to reworked area of LHS/RHS roof beams upper outboard flange.

- Prime all bare metal surfaces using material specified in 1.2. Allow to dry. 2.5
- Lightly abrade primer to remove gloss. 2.6
- Do not soak parts to be bonded with cleaner specified in 1.4. Use of a 2.7 Note: moistened rag is recommended.

Clean reworked areas.

There shall be no substitute for shimming compound specified in 1.3. 2.8 Note: Refer to step 1.3 for shimming compound preparation and curing data.

Prepare shimming compound specified in 1.3.

#### 12RL-020

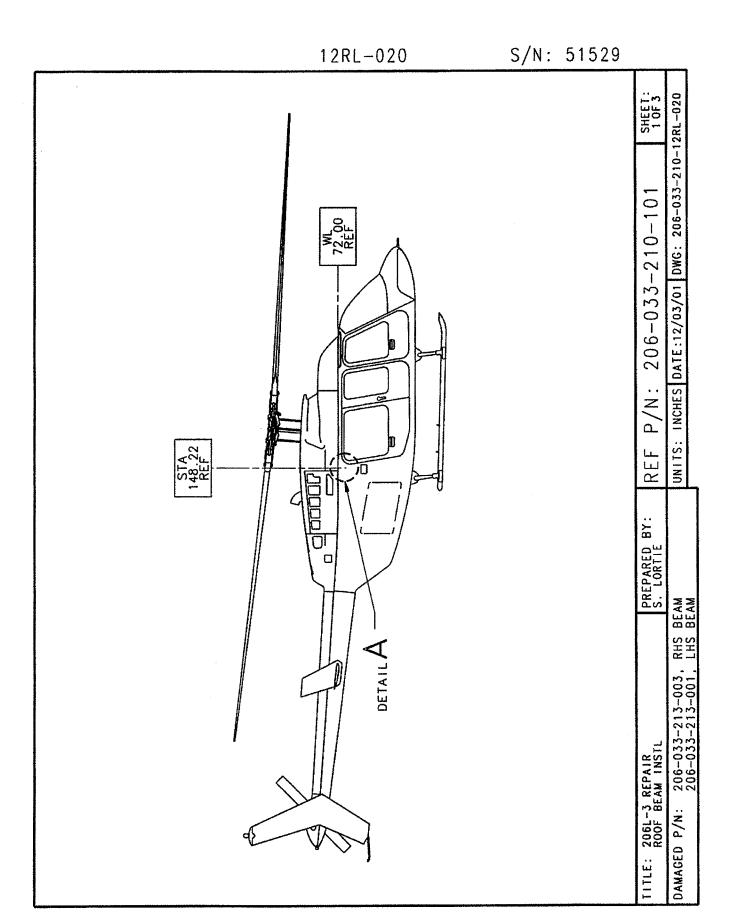
#### S/N 51529

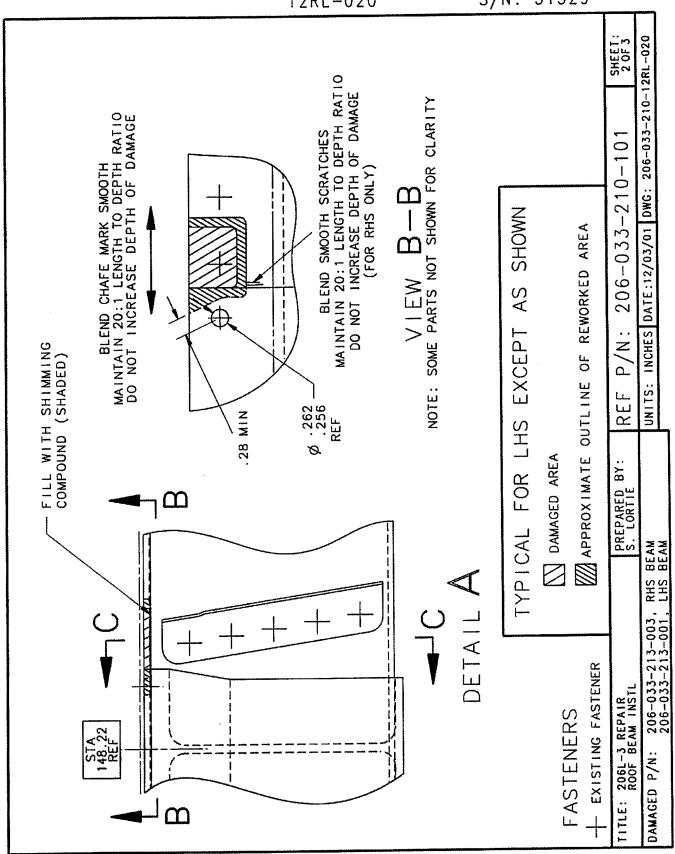
#### 2.0 PROCEDURE: (CONT'D)

- 2.9 Apply shimming compound specified in 1.3 to faying surface of reworked areas of LHS/RHS roof beams. See detail A.
- 2.10 Allow to cure at room temperature for 6 hours.
- 2.11 Sand shimming compound smooth to surface of LHS/RHS roof beams upper outboard flange.
- 2.12 Note: Do not soak parts to be bonded with cleaner specified in 1.4. Use of a moistened rag is recommended.

Clean reworked areas.

- 2.13 Inspect cured shimming compound for discrepancies. Pinholes, porosity and voids less than 0.15 inch diameter and at least one inch apart are acceptable as is.
- 2.14 If required, touch-up primer. Allow to dry.
- 2.15 Ensure means are taken to prevent further chafing.
- 2.16 Re-finish as required.





#### Hurst, Ken

From:

Hurst, Ken

Sent:

Friday, February 24, 2012 9:01 AM

To:

'pselight'

Subject:

206L-3 S/N 51529 DAMAGE (CHAFE) ROOF BEAM P/N 206-033-210-125 (REF PHI-206L-DA-

0211) REQUESTING APPROVED REPAIR PROCEDURE

Attachments: PHI-206L-DA-0211.pdf; image001.jpg

# Structural Repair Request Form

Date: 2/24/2012	Number of pages (including this one): 2
Send to:	(817) 280-2635 [for model 214 (all variants)]
ATexton Company	(450) 433-0272 [for all other commercial models]
Sender: <u>Ken Hurst</u>	Tel: <u>(337) 272-4593</u>
O Dill iss	Fax: <u>(337) 272-4575</u>
Company: <u>PHI, Inc.</u>	X Owner and/or Operator
Email address: khurst@phih	elico.com Repair Facility

Dear PSE, please provide us with an approved repair for the damage described below.

Thanks.KH (your initials)

- 111G1111G1 <u>111</u> 17 G	· ····································		
Jacob State Control	A	rcraft Information	
Model: 206L3		Serial Number: 51529	
Flight Time: 16,	183:05	Registration: N3116L	
Status:	Routine	X Work Stoppage	AOG

Dan	nage Description
Part Number: 206-033-210-125	Serial Number:
Tailboom Part Number (if applicable):	
Tailboom Serial Number (if applicable):	

Description: (attach a sketch)

The following attachment (PHI-206L-DA-0211) shows damage (chafe) on right hand side of roof beam in area of roll over bulkhead.

I will be sending you chafe damage on the left and side also.

There is work stoppage in this area.

Thank you, Ken Hurst

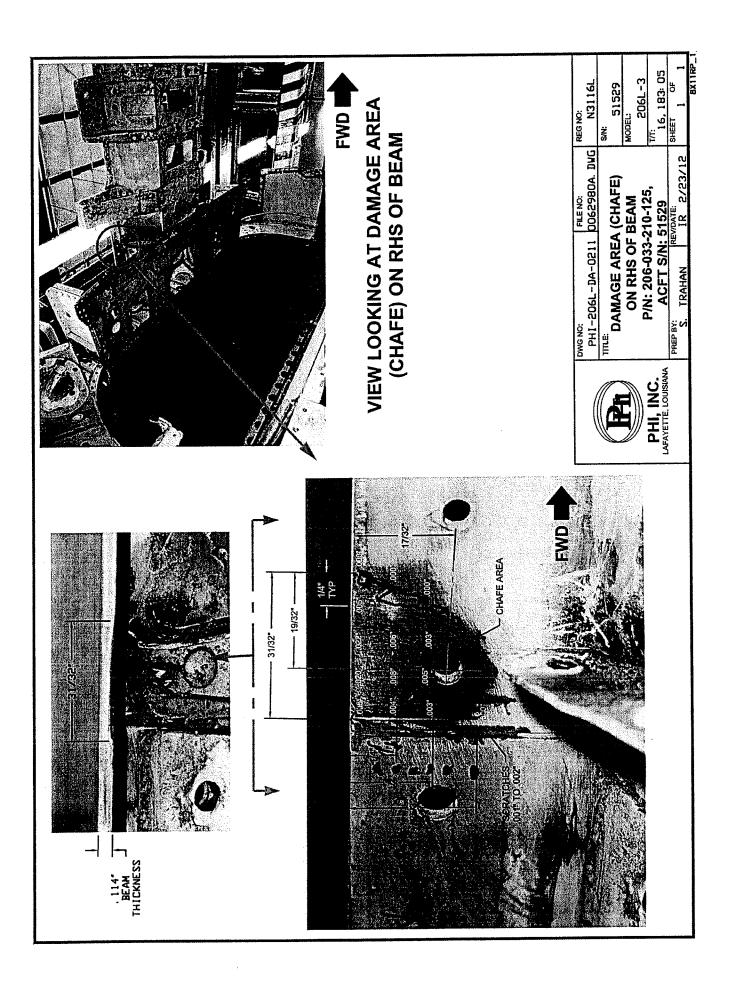
PHI. Inc.

**Engineering Department** 

This form may also be scanned and email with the sketch and/or other attachments to the appropriate electronic address below for action.

pselight@bellhelicopter.textron.com for 47, 206, and 407 (all variants) psemedium@bellhelicopter.textron.com for 204, 205, 212, 412 (all variants) <u>pseinter@bellhelicopter.textron.com</u> for 222, 230, 427, 430 (all variants) <u>psemil214@bellhelicopter.textron.com</u> for 214 (all variants)

Ref: IL GEN-04-96



#### Hurst, Ken

From:

Hurst, Ken

Sent:

Friday, February 24, 2012 9:14 AM

To:

'pselight'

Subject:

206L-3 S/N 51529 DAMAGE (CHAFE) LHS OF ROOF BEAM P/N 206-033-210-125 (REF PHI-

206L-DA-0212) REQUESTING APPROVED REPAIR PROCEDURE

Attachments: PHI-206L-DA-0212.pdf; image001.jpg

# **Structural Repair Request Form**

Date: 2/24/2012	Number of pages (including this one): 2
Send to:	(817) 280-2635 [for model 214 (all variants)]
Se!! Helicopter	(450) 433-0272 [for all other commercial models]
Sender: Ken Hurst	Tel: <u>(337) 272-4593</u>
Company DUI Inc	Fax: <u>(337) 272-4575</u>
Company: PHI, Inc.	X Owner and/or Operator
Email address: khurst@phihel	ico.com Repair Facility

Dear PSE, please provide us with an approved repair for the damage described below.

Thanks.KH (your initials)

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Model: 206L3		Serial Number: 51529		
Flight Time: 16,	183:05	Registration: N3116L		
Status:	Routine	X Work Stoppage	AOG	

Tailboom Part Number (if applicable):

Tailboom Serial Number (if applicable):

Description: (attach a sketch)

The following attachment (PHI-206L-DA-0212) shows damage (chafe) on left hand side of roof beam in area of roll over bulkhead.

There is work stoppage in this area.

Thank you,

Ken Hurst

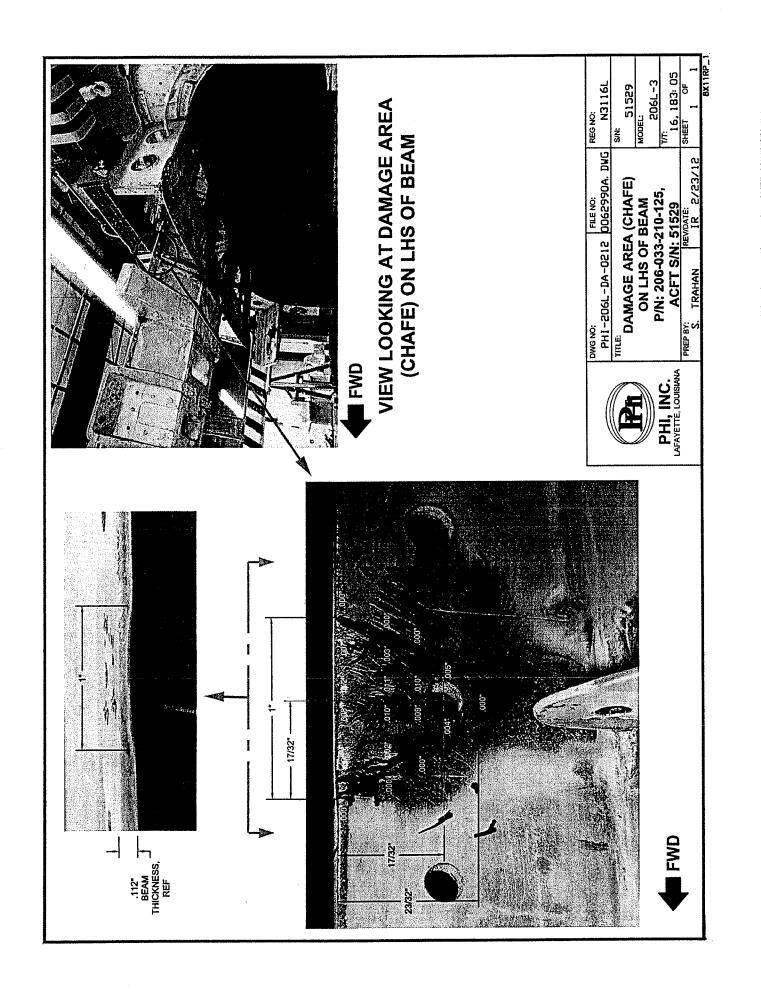
PHI. Inc.

**Engineering Department** 

This form may also be scanned and email with the sketch and/or other attachments to the appropriate electronic address below for action.

pselight@bellhelicopter.textron.com for 47, 206, and 407 (all variants) psemedium@bellhelicopter.textron.com for 204, 205, 212, 412 (all variants) pseinter@bellhelicopter.textron.com for 222, 230, 427, 430 (all variants) psemil214@bellhelicopter.textron.com for 214 (all variants)

Ref: IL GEN-04-96



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

OMB No. 2120-0020	Electronic Tracking Number
11/30/2007	
	or FAA Use Only

Fed	leral Aviation	n	(A)III		⊌, F	owerpiant, r	-10p	ell.		or App						
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	Nationality and Registration Mark	10-1-07 Date	
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Weight change is negligible. END			
Additional Sheets	s Ara Attachad		

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US Department
of Transportation
Federal Aylation
Administration.

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

orm Approved IMB Na. 2120-0020	Electronic Tracking Number
1/30/2007	· ·

/30/2007 For FAA Use Only

Adı	teral Aylatio ministration		•	•											·
ins	structions	IONS: Print and disposi on. (49 U.S.	ition of	this for	ntries. See Title 14 CF	re	R §43 ed by	3.9, Part 43 law (49 U.S	Append S.C. §44	lix B, ar 701). Fa	nd AC 43 allure to re	9- epc	1 (or subs ort can res	sequent revisio sult in a civil pe	n thereof) for naity for each
		Nationality N363	and R		tion Mark				Serial (	i No. 51345					•
1. Ai	ircraft	Make Bell		,					Mode	206	<u> </u>		- 5	Series L-3	
			showr	on rea	istration certificate)	-	<del>-</del>	<del></del>	Addre	ess (As s	shown on	reg	istration o	certificate)	
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Z. U	wilei								City Zip		-2156		Count	y USA	
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			PROF	PELLER		•								. 2	
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Clly	Lafay				State <u>LA</u>	ſ	✓	Certificated I			.:			HEER617	7.E
Ziρ	<u>70509</u>	<u>-08<mark>08</mark></u> со.	ıntıy <u>U</u>	5A	<del></del>			Certificated I				ر ما		oree or attached	ante hereto
D.	have be	en made in	accord	lance w	eration made to the uni vith the requirements of ct to the best of my kno	11	Part 4	13 of the U.S	em 5 ab 3. Federa	ove and al Aviatio	n Regula	ea c	ns and tha	erse or attaching at the information.	n N
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	ended rang 14 CFR P		$\neg$								·	m	u n		
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Pu Ad	ırsuant to İministrato	o the author or of the Fed	ority gi deral A	ven pe viation	ersons specified below Administration and is	ν.	the	unit identii	Appro	oved	Reje	CLE	<del></del>		School by the
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	LI ficate or gnation N	lo.			gnature/Date of Author				·		Je	m	ell K. I	Melanion	• •
,		EER617E			Tweek M	1	1				-			3-3	11-13

		. Identify with aircraft	nationality and registration mark	and date work completed.)
		· ·	N363BH	3-31-13
			Nationality and Registration	n Mark Date
			al Repair	
·	Repair	OI K/H Fr	ame at Sta. 167.	33
Part Nomenclature	: Fram	e Assembly	Part Number:	206-032-303-035
Repair Number:	PHI-20	06L-RP-0225	Part Serial Number:	N/A
		1	as specified in the man at a approved on FAA I	
By DER	Ryan Guillot	t Desi	ignation Number	DERY-830212-SW
Dated	03-25-2013	8110	0-3 Serial Number:	13-05
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Sheet 1 of 1	•				Serial No. 13-05
	U.S. DEPARTMENT OF TRAN- FEDERAL AVIATION ADMIN COMPLIANCE WITH AII	NISTRATION	NESS STANDARDS		1. DATE March 25, 2013
	AIRCRAFT OR AIR	CRAFT COMP	ONENT IDENTIFICATION		
2. MAKE	3. MODEL NO.	4. TYPE (Airplai	ne, Radio, Helicopter, etc.)		OF APPLICANT
Bell Helicopter Textron Canada Limited	206L-3		Helicopter		PHI, Inc.
	197	LIST OF DA			
6. IDENTIFICATION	<u> </u>	·	7. TITLE		
PHI-206L-RP-0225, Rev. IR, Dated 03/14/13	Repair Procedure for Fr Bell Model 206L-3 Helic			103-035	(Chafed Area RHS) on a
PHI-206L-SA-0110, Rev. IR, Dated: 03/15/13	Structural Analysis for R	Repair Proce	dure PHI-206L-RP-02	225 (Ch	afed Frame, STA 167.33)
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	Notes:			•	
	This approval is for eldernonstrates compliant	ance only wi below as "Ap	ith the regulations spe oplicable Requiremen	ecified b	
	This form does constitution of com	itute FAA ap ipliance to th	proval of all the engir ne necessary requirer	ieering nents fo	data necessary for or the entire repair.
	3) This approval is valid serial number 51345.		I Helicopter Textron C	anada	Limited Model 206L-3
	4) Authorization to approgrammed by Martin R. (dated February 13, 20)  6  6  7  8  9  10  10  10  10  10  10  10  10  10	Crane of the	ctural aspects in supp Rotorcraft Certification	ort of th on Offic	nis major repair was se (ASW-170) via email
8. PURPOSE OF DATA Engineering data approval for helicopter serial numbe		in support o	f a major repair, not th	ne work	manship or installation,
9. APPLICABLE REQUIREMENTS (L. 14 CFR Part 27 (Cert. Bas 27.307(a) [26], 27.601(a), levels are 0 (original versions)	<u>sis per TCDS H2SW, Am</u> 27.603 [16], 27.605(a) [16	s], 27.609(a)	), 27.613(d) [26], and	27.619	(a)(b)(2); all amendment
10. CERTIFICATION – Under authori Part 183, data listed above and on a with applicable requirements of the	attached sheets numbered <u>N/A</u>	nistrator and in a have been exam	accordance with conditions a mined in accordance with es	nd limitation	ons of appointment under 14 CFR procedures and found to comply
· I () Therefore	Recommend approval of the Approve these data	hese data		•	
11, SIGNATURE(S) OF DESIGNATE	· · · · · · · · · · · · · · · · · · ·	IVE(S)	12. DESIGNATION NUMBE	R(S)	13. CLASSIFICATION(S)
15	41		DERY-830212-S		Structural
Ryan Guillot	<u> </u>				

### **MAJOR REPAIR AND ALTERATION**

orm Approved	Electronic Tracking Number
OMB No.	
2120-0020	

US Department of Transportation Federal	(A	irframe, Po	we	plant, Prope	ellei	r, or Ap _l	oliance		2/28/2011		For FAA Use Only
Aviation Administration	on										
INSTRUC	TIONS: Princtions and d	t or type all ent isposition of th violation (49 U.	is fo	rm. This report i	R §4 s red	3.9, Part 4 quired by I	3 Append aw (49 U	dix B, an J.S.C. §4	d AC 43.9 4701). Fa	-1 (or ilure	subsequent revision thereof) to report can result in a civil
	Nationality	and Registration	Mark				Serial N				
	N31	16L						529		Т	Series
1. Aircraft							Model	06			L-3
	Name (4	s shown on registr	ation .	certificate)				06 (As show	n on registra	tion ce	
	1144110 (71	o ono an rogical	ali on	orimouto,							01 SE Evangeline Thruway
2. Owner	PH	I, Inc.					City	Lafaye			State I A I
							Zip	70 <del>508</del> -	2156	. Cou	ntry USA
				3	. Fo	r FAA Use	Only				
4.	Туре					5. U	nit Identi	fication			
Repair	Alteration	Unit		Mak	(e			Mod	el		Serial No.
		AIRFRAME					(As desc	ribed in	tem 1 abo	ve)	
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A. Agency Name	's Name and	I Address .ICOPTER TEX	(TR(			l of Agency S. Certifica		nic			Manufacturer
Address		NT DES MOU				reign Certif					Certificate No.
City	LAFAYET		tate	LA X		ertified Rep				,	B1H2300N Limited Airframe
Zip	70507	Country <u>U</u>	.S.A	•	Ce	ertified Mair	tenance C	organizat	ion	Lim	ited Specialized Services
have	been made ir	accordance wit	th the	made to the unit(se requirements of late best of my know	Part 4	43 of the U	m 5 above 5. Federa	e and des	scribed on Regulatio	the re	verse or attachments hereto d that the information
Extended r			Sigi	nature/Date of Au	ıthor	ized Indivi	dylal	/		-	
per 14 CFF App. B	≺ Part 43				(	W V	,	3/2	1/2		
, ър. о				7. Ap	proy	g for Ret	ırn To Se	ervice			
Pursuant t	to the author	ity given person	ns sp Adm	ecified below, the	e un	it identified	in item 5 APPROV	was ins	pected in t	he m	anner prescribed by the
ВҮ		Standards		Manufacturer		Maintena	nce Orga	nization			Persons Approved by Canadian Department of Transport
	FAA De		Х	Popoir Station		Inepostio	n Author	zation		Other	(Specify)
Certificate				Repair Station nature/Date of Au	ıtbor		711	<u> </u>	1		
Designation	on No.				atriOl	Zeu mulv	~/// <i>~</i>	2/	/>		
B1H2300I	N		JAS	SON PICARD		///	1 V 7	7/7/	//7/		

B1H2300N

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 nation	onality and registration mark and date work o	completed.)
	N3116L	05/09/2012
	Nationality and Registration Mark	Date
NOMENCLATURE: RH SIDE PANEL ORIGINAL PART NUMBER: 206-033-115-183 SERIAL NUMBER: BP0000138 WORK ORDER NUMBER: W184322AA		
OVERHAULED PANEL MENTIONED ABOVE IN TEXTRON, INC. FAA APPROVED OVERHAUL PR 9/15/99.		
END		

□ Additional Sheets are Attached

Department ransportation	

Federal Aviation

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

orm Approved	Electronic Tracking Number
MB No. 2120-0020	
1/30/2007	

For FAA Use Only

Adminio	tiation									_					
instruction	CTIONS: Fons and dis lation. (49	positio	on of this f	orm. Th	See Title 14 CFI is report is requ	R 4: Jired	3 Sec. d by la	.43.9, Part w (49 U.S.	43 Appendi C. Sec. 447	x B, and 701). Fa	d AC ilure	43.9-1 (or to report o	r subs can re	sequent revision thereof) for esult in a civil penalty for each	1
1. Aircra		$\mathcal{N}_{c}$	y and Red 233	gistration PJ	n Mark				Serial N	اه. <u>ک</u>	1	529	Seri	ies	
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4.	Type						5. Un	it Identific	ation					<del></del>	_
Repair	Alterat	tion	Unit		Mal	ke				Mode	el			Serial No.	
			AIRFRAM	E	~~~~	-	~~~		(As desc	ribed in	iter	n 1 above	·)	~~~~~~	_
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		•				6	. Cont	formity St	atement					· .	
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	¥140-2560						X	Foreign C	ertificated l	Mechan	iic		C. C	Certificate No.	
	Richmond			State	BC			Certificate	d Repair S	tation				39-87	
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have b	een made	in acc	cordance	with the		of	Part 4	13 of the U						verse or attachments hereto I that the information	
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ertificate	e or			Signatu	re/Date of Au	tho	rized I	Individyal							
Designati		9-87			C. Trsek	/	/	l'	= m	W (H	-S	)		19/Dec/2011	
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8. Description of Work Accomplished (If more space is required, attach additional sheets, Identify with aircraft	t nationality and registration mark a	nd date work completed.)
	N233PH	3/10/13
	Nationality and Registration Mark	Date
<u>Description:</u> Rolls Royce 250 Gearbox Housing P/N 23035139, S/N HL39646		
<ol> <li>Repaired (Qty 3) Bolt Holes On Splitline IAW 14W3 72-00</li> <li>Repaired Engine Mounts IAW RSS 1012 And E.O. # 128.</li> <li>Repaired Oil Pump Drive Seal Bore And Flange IAW RSS</li> <li>Replaced (Qty 4) Oil Pump Drive Studs IAW 14W3 72-00-</li> </ol>	3 <b>1051</b> .	
<ol> <li>Repaired PT Tachometer Governor Locating Bore And Fla</li> <li>Replaced (Qty 4) PT Tachometer Governor Studs IAW 14</li> <li>Final Inspection.</li> </ol>	ange IAW RSS 1051.	
Repair Salvage Schemes (RSS) 1012 And 1051 Are OEM Appell Records of Work Performed Are On File Under Work Orde No Further Statements to Follow.	•	
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		•
Additional S	heets Are Attached	

US Department
of Transportation
Federal Aviation
Administration

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only
	-

**MAJOR REPAIR AND ALTERATION** (Airframe, Powerplant, Propeller, or Appliance) 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)) Nationality and Registration Mark Serial No. 51345 N363BH 1. Aircraft Model Make Series Bell 206 Address (As shown on registration certificate) Name (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafavette Country USA 70508-2156 3. For FAA Use Only 5. Unit Identification 4. Type Repair Alteration Unit Make Model Serial No. (As described in Item 1 above)  $\square$ AIRFRAME POWERPLANT PROPELLER. Туре APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency Name PHI, Inc. U. S. Certificated Mechanic Manufacturer Address P. O. Box 90808 Foreign Certificated Mechanic C. Certificate No. Lafayette State LA City Certificated Repair Station HEER617E 70509-0808 Country USA Certificated Maintenance Organization 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. Signature/Date of Authorized Individual Tendy K. Melancon Exlended range fuel per 14 CFR Part 43 Арр. В 3-17-13 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

FAA Flt. Standards Persons Approved by Canadian Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization FAA Designee Repair Station Terrell K. Melancon Signature/Date of Authorized Individual Certificate or Designation No. HEER617E Tenell & Malane 3-17-13

		N363BH	3-17-13
		Nationality and Registration Mar	
	•		
	Structura	l Repair	
	Roof Beam	Repair	
Part Nomenclature:	Roof Beam Assembly	Part Number:	206-033-210-1
Repair Number:	13RL-017	Serial Number:	N/A
of Roof Beam as required damage was found. The areas, allowed to cure 13RL-017.  Structural repairs made	uired. Performed fluoresce reated and primed areas the and sanded smooth. Reins e according to the manuface repairs exceeded the limit	en applied shimming of talled rivets in accordance of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control	of areas. No fur compound to blen nce with Field Rep actural repair man
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# **BELL HELICOPTER TEXTRON**

### CANADA LTD.

DAO# 92-Q-01

## CIVIL CERTIFICATION

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13RL-017

S/N 51345

PHI, INC.

#### **MODEL 206L-3**

### ROOF BEAM INSTL

#### PART NUMBER 206-033-210-101

NOTES:

Refer to BHT-ALL-SRM, Sections 3 & 4 and to Appendix "A" respectively for process sheets and for standard repair materials.

Refer to BHT-ALL-SPM, Section 13 for Item C-xxx definitions.

All repair procedures to be carried out in accordance with BHT-ALL-SRM approved processes.

The Instructions for Continued Airworthiness (ICA) are not affected by this repair.

#### 1.0 REQUIRED:

1.1	Chemical film mat	erial:	(Item C-100)	
1.2	Epoxy polyamide p	orimer:	(Item C-204)	
1.3	Shimming compou	nd:	(Item C-567)	
	Mix ratio: Pot life at 65° to 85 Drill time at 65° to Cure time at 65° to	5°F: 1 hour 85°F: A minimum ha (Recommended 85°F: A minimum ha	14.4 parts B by weight rdness of Shore D 55 I minimum 4 hours) rdness of Shore D 75 I minimum 6 hours)	
1.4	Cleaners:	Methyl-Ethyl-Ketone ( Acetone Isopropyl Alcohol Aliphatic Naphtha Toluene	MEK) (Item C-309) (Item C-316) (Item C-385) (Item C-305) (Item C-306)	
1.5	Process Sheets: Chemical Film	Application on Aluminur	n and Titanium Parts	(Para. 3-2-14)
		•		

#### 13RL-017

#### S/N 51345

#### 2.0 PROCEDURE:

2.1 Gain access to damaged areas recording type, size and location of fasteners removed. See figure 1 & detail A.

2.2 Notes: Do not increase existing depth of damage.

Ensure smooth transition all around reworked areas.

Surface roughness of roof beams upper outboard flange shall be

63 microinches or better.

Suggested method: lightly abrade roof beams upper outboard flange

surface with 180 grit or finer abrasive paper.

Blending to be performed by sanding in beams longitudinal (FWD-

AFT) direction.

Blend out shall not extend into fillet radius of roof beam. If this

condition is not met resubmit to PSE with additional information.

Blend damaged area of LHS/RHS roof beams upper outboard flange smooth as shown in view B-B and section C-C. Maintain a 20:1 length to depth ratio along roof beam axis. Minimum remaining material thickness to be 0.090 inch for LHS beam and 0.090 inch for RHS beam as shown in detail D.

Note: Care to be taken to prevent fluorescent penetrant fluid from flowing between roof beams and roof shell.

Fluorescent penetrant inspect reworked area of LHS/RHS roof beams to ensure no damage remains and surface is smooth per BHT-ALL-SPM, paragraphs 6-2 to 6-16. If such damage exists, resubmit to PSE with additional information describing extent of damage.

2.4 Note: Do not apply excessive amount of chemical film material.

Brush apply chemical film material specified in 1.1 to reworked area of LHS/RHS roof beams upper outboard flange.

- 2.5 Prime all bare metal surfaces using material specified in 1.2. Allow to dry.
- 2.6 Lightly abrade primer to remove gloss.
- 2.7 Note: Do not soak parts to be bonded with cleaner specified in 1.4. Use of a moistened rag is recommended.

Clean reworked areas.

2.8 Note: There shall be no substitute for shimming compound specified in 1.3. Refer to step 1.3 for shimming compound preparation and curing data.

Prepare shimming compound specified in 1.3.

#### 13RL-017

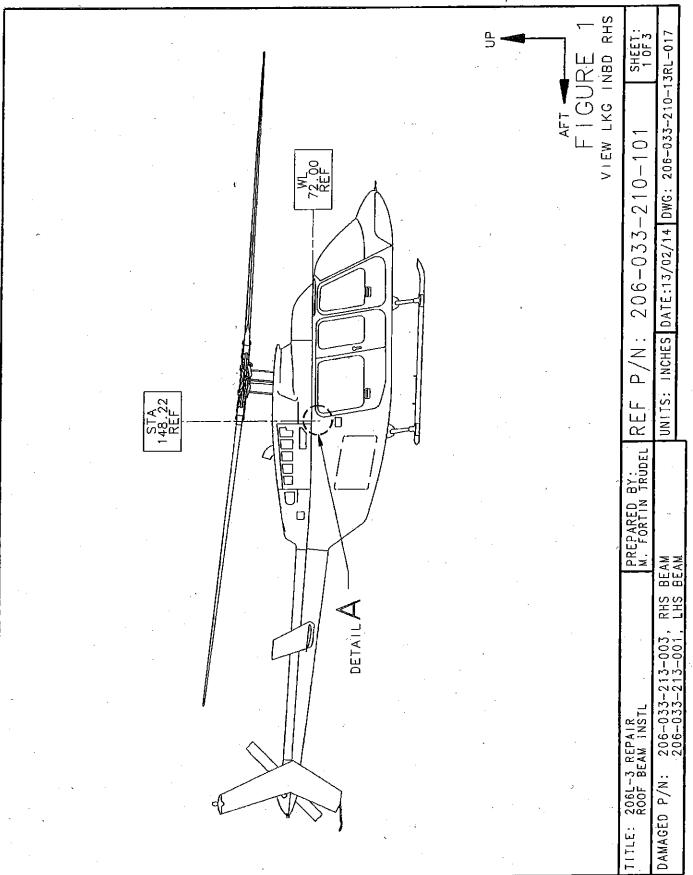
#### S/N 51345

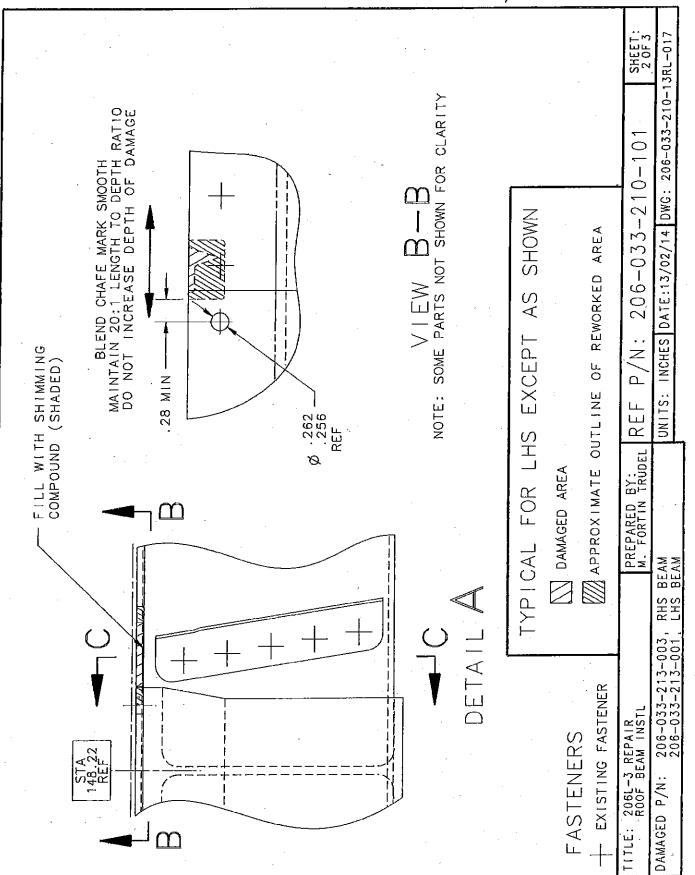
#### 2.0 PROCEDURE: (CONT'D)

- 2.9 Apply shimming compound specified in 1.3 to faying surface of reworked areas of LHS/RHS roof beams. See detail A.
- 2.10 Allow to cure at room temperature for 6 hours.
- 2.11 Sand shimming compound smooth to surface of LHS/RHS roof beams upper outboard flange.
- 2.12 Note: Do not soak parts to be bonded with cleaner specified in 1.4. Use of a moistened rag is recommended.

Clean reworked areas.

- 2.13 Inspect cured shimming compound for discrepancies. Pinholes, porosity and voids less than 0.15 inch diameter and at least one inch apart are acceptable as is.
- 2.14 If required, touch-up primer. Allow to dry.
- 2.15 Ensure means are taken to prevent further chafing.
- 2.16 Re-finish as required.





#### **MAJOR REPAIR AND ALTERATION**

(Airframe, Powerplant, Propeller, or Appliance)

orm Approved	Electronic Tracking Number
OMB No.	
2120-0020	
2/28/2011	
	For FAA Use Only

US Department of Transportation

Federal

Aviation Administration	
INSTRUCTIONS: Print or type all entries. See Title 14 CF for instructions and disposition of this form. This report penalty for each such violation (49 U.S.C. §46301(a))	R §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) is required by law (49 U.S.C. §44701). Failure to report can result in a civil
Nationality and Registration Mark	Serial No.

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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.

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

N3116L

05/09/2012

Nationality and Registration Mark

Date

NOMENCLATURE: ROOF

**ORIGINAL PART NUMBER: 206-033-201-267** 

UPGRADED TO PART NUMBER: 206-033-201-333

SERIAL NUMBER: BP0000135

**WORK ORDER NUMBER: W183139AA** 

OVERHAULED PANEL MENTIONED ABOVE IN ACCORDANCE WITH BELL HELICOPTER TEXTRON, INC. FAA APPROVED OVERHAUL PROCEDURE NUMBER PHI-450-OP-049, DATED 4/19/99 AND UPGRADED IN ACCORDANCE WITH OVERHAUL PROCEDURE PHI-450-OP-050 DATED 10/15/02, REVISION E.

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<b>(2)</b>
US Department
of Transportation
Federal Aviation
Administration

## **MAJOR REPAIR AND ALTERATION**

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only

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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.

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RUBBER MOU	UNTED CHIN BUBBLES	
Installed left and right rubber mounted chin b SH5850SW Installation Report Number AA-		
Compass corrected as required.		
Actual weight and balance complied with.		
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# US Department of Transportation

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

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Form	Approved

OMB No. 2120-0020

For FAA Use Only

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Federal Aviation Administration Office Identification

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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.)
NOMENCLATURE: SEAT PANEL ORIGINAL PART NUMBER: 206-033-172-117 SERIAL NUMBER: WORK ORDER NUMBER: W59573AA
OVERHAULED PANEL MENTIONED ABOVE IN ACCORDANCE WITH ACADIAN COMPOSITES FAA APPROVED OVERHAUL PROCEDURE NUMBER PHI-450-OP-008, REVISION A, DATED 8/3/99.
END
□ Additional Sheets are Attached

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#### **MAJOR REPAIR AND ALTERATION**

Form Approve
OMB No.
Form Approve OMB No. 2120-0020
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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.

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NOMENCLATURE: SEAT PANEL ORIGINAL PART NUMBER: 206-033-172-117 SERIAL NUMBER:		
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## US Department of Transportation Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

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Office Identification

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				4. Unit Identificati	on	·····		5. Type		
Unit	M	ake 		Model		Serial No		Repair	Alteration	
AIRFRAME	IRFRAME (As described in Item 1 above)									
,						CAE-896	5845			
POWERPLANT		i Rouce		250/6-30	0	CAC- 90		γ		
		3 1 10 1 13		V301 C 30	-	CAC IU	110			
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A. Agency's N	Name and Address			B. Kind of Agency			C. Certi	icate No.		
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WINNIPE	G, MANITOBA I	72H 0H9		Manufacturer	an Station					
have bee	hat the repair and/o en made in accorda d herein is true and	nce with the require	ements	nit(s) identified in iter s of Part 43 of the U.S knowledge.	n 4 above a S. Federal <i>I</i>	nd described on th Aviation Regulatio	ne reverse ons and th	or attachmer at the inform	nts hereto ation	
Date			······	Signature of Author	rized Indiv	ridual				
FEB 16	2006			R. J. Gen	5	A.J. GE	OHOr		(CA1)	
				proval for Return To						
Pursuant to Administrate	the authority give or of the Federal Av	n persons specifie riation Administrati	d belov on and	w, the unit identified is PPROVEL		was inspected in JECTED	the, man	ner prescribe	ed by the	
	A Fit. Standards pector	Manufacturer		Inspection Authoriza	ition_	Other (Specify)				
FAA	\ Designee	Repair Station	X	Person Approved by Canada Airworthines	Transport s Group					
	val or Rejection	Certificate or Designation No.		Signature of Author	rized Indivi		printer application or constitution of con-			
FE0 1	D Y.000	86-9	1	1.0 Leo	~S	9.J. GE(	DAGE	18	CA!) 08	

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.

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8. Description of V (If more space is	lork Ac	complished ed. attach addition:	al sheets. Identify v	vith airc	raft national	lity and	registratio	n mark and date work completed.)
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## DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Aj Budget	pproved Bureau	No.	04- <b>R</b> 060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

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		MAKE					· · · · · · · · · · · · · · · · · · ·	MODEL				<del></del>			
1. A	IRCRAFT	Bel1							206L-3						
		SERIAL NO.	513	345					ITY AND RE	GISTRATION	MARK				
		NAME (As sho	WII	on registration certifi	cate)			ADDRESS (	As shown on	registration c	registration certificate)				
2. (	OWNER	Torritor	17-				-			nue,Suit	•				
		laylor	EI	nergy Co.				New O		A. 70112					
						3. FO	R FAA USE ON	LY	· · · · · · · · · · · · · · · · · · ·						
				4. UN	IT ID	ENTIF	ICATION				T	TYPE			
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	mans .						MODEL		35	KIAL NO.	REPAIR	ATION			
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DATE							NATURE OF A		<del>_</del>	1					
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				7. A	PPRO	VAL F	OR RETURN TO	SERVICE		<del> </del>					
Pur	suant to t Administ	he authority grator of the Fe	iver ders	n persons specified b ll Aviation Administ	elow ration	, the	unit identified is APPRO	in item 4 v	was inspecte REJECTED	d in the mar	ner prescrib	ed by			
BY		FLT, STANDARDS		MANUFACTURER	х		ECTION AUTHORIZA		OTHER (Specify	)					
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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.

ESCRIPTION raft natio	OF WORK ACCOMPLISHED (If onality and registration in	more space is require mark and date work	ed, attach additional sheet: completed.)	s. Identify with air
	Bell 206L-3 N997PT	7-25-90		
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US Department of Transportation Federal Aviation

# MAJOR PAIR AND ALTERATION (Airframe, Power lant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

Auminist	tration												
and disp	osition	of this form	ı. This	all entries. See FAR 4 form is required by la 101 Federal Aviation A	w (49 U	I.S.C.	Appendix B, and 1421). Failure to	d AC 43.9 report ca	-1 (or subsequen in result in a civil	nt rev	rision thereo alty not to e	f) for instru xceed \$1,0	ictions 100
1. Aircraft		Make		lelicopters		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Model	206L-3	-			
r. Aircran		Serial No.	51529	)				Nationali	ty and Registration	on M	lark	<del></del>	
2. Owner				on registration certifice easing Corporation		Address (As shown on registration certificate) 1211 Avenue of the Americas New York, NY 10036-8701							
		L				3. Fo	r FAA Use Only	L					
	************					4. Un	it Identification					5. Type	<del></del>
Unit		Make					Model		Se	erial î	No.	Repair	Alteration
AIRFRAM	IE	•	·~~		(As de	As described in item 1 above)							x
POWERP	LANT												
PROPELL	.ER												
APPLIANC	CE .	Туре						* *************************************					
		Manufacture	r 										
\ \Agana	ve Na	me and Add			6. C		rmity Statement			——————————————————————————————————————			
		<del></del>					ind of Agency U.S. Certificated N	/echanic	·		C. Certificate No.		
P.O Box	x 9080		nc.		1		Foreign Certificate		;	-	HEER617 Airframe,	Powerpl	ant
Lafayett	te, LA	. 70509			İ	Х	Certificated Repair				& Access Radio Cla		i.
					Ì		Manufacturer		· · · · · · · · · · · · · · · · · · ·		radio on	100 1,2,0	-
have b	been m	nade in acco	rdance	alteration made to the e with the requirement rrect to the best of my	ts of Pa	rt 43	of the U.S. Fede	ove and de ral Aviatio	escribed on the r n Regulations ar	ever	se or attach	ments here	eto
Date						Signa	ature of Authorize	ed Individu	ıal		•		
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				7.			Return to Servic		7	1			
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1 1	FAA F	it, Standard	s	Manufacturer		Inspe	ection Authorization	on	Other (Specify	/)			
	FAA C	esignee)	х	Repair Station		Perso Cana	on Approved by T dian Airworthines	ransport ss Group			•		
ate of App	proval	or Rejection		Certificate or Designation No.	:	Signa	ature of Authorize	ed Individu	al				

HEER617E

FAA Form 337 (12-88)

Milliam N. Mery go

8. Description of Work Accomplished	entify with aircraft nationality and registration mark and date	work completed.)
	rter generator in accordance with STC SH	
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		,
	Additional Sheets Are Attached	

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



Federal Aviation Administration

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

Form	Appı	roved	
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For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each suc	n violation (S	ectio	n 901 Federal Avia	tion A	ct of 1	958).							
1 Aironalt	Make	Bel	1				Model	206L-3					
1. Aircraft	Serial No.	513	345				Nationa	ality and Registration N363BH					
	Name (As si	howr	on registration ce	rtifica	te)	· · · · · · · · · · · · · · · · · · ·	Address		stration certificate)				
2. Owner			Petroleum Helio			ne ne	ve						
								Lafayette	- I.A 7	0508			
	1				3. 1	For FAA Use O	niv	23dzay ott	, <u> </u>				
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	·		<u> </u>		4. (	Jnit Identificat	<b>io</b> n			5. Type			
Unit			ake					0-3-101					
		IVI	ike			Model		Serial No	). ————	Repair	Alteration		
AIRFRAME	~	••••	(	As des	scribed	d in Item 1 abo	ve)	***************************************			X		
POWERPLANT													
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	Туре					· .	<u>-</u>						
APPLIANCE		<del>,</del>											
	Manufacture	er											
٠.					6. Co	nformity State	ment						
A. Agency's Na	ame and Addr	ess				Kind of Agency		<del></del>	C. Certif	ficate No.			
Petroleum	Helicopte	rs l	nc .			U.S. Certificate	d Mechanic	3	Airframe.	ne, Powerplant, and			
P.O. Box	-	, .			-	Foreign Certific		· · · · · · · · · · · · · · · · · · ·		es Limited - Ra			
	LA 7050	9			X	Certificated Rep	pair Station	<u> </u>		3 - CRS No. HI			
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				7. Ap	prova	l for Return To	Service						
Pursuant to t	the authority r of the Federa	giver al Av	n persons specified lation Administration	d belo	w, the I is	unit identified	d in item 4 D □ R	4 was inspected in	the manr	ner prescribe	d by the		
FAA Inspe	Flt. Standards ector		Manufacturer		Inspe	ection Authoriza	ation	Other (Specify)					
FAA	Designee	21	Repair Station			on Approved by da Airworthine			· .				
Date of Approva	al or Rejection		Certificate or Designation No.	-	Sign	ature of Autho							
5-2	4-96		HEER617E	<u> </u>		lo	lut	5. Som	ac (				



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.

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U.S. Department of Transportation Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each suc	h violation (Se	ction 901 Federal A	viation A	ct of	1958).		·	u o m pom	any mor to ext	2000 \$1,000
1. Aircraft	Make E	Bell				Model	206L-3	· · · · · · · · · · · · · · · · · · ·		
i. Aircrait	Serial No.					Nationa	ality and Registration	on Mark		
	<u> </u>	1345				<u>.</u>	N363BH			
	Name (As sho	own on registration							ertificate)	
2. Owner		Petroleum He	licopter	rs, Inc 113 Borman Drive						
							Lafayette	LA 70	0508	
				3.	For FAA Use O	nly		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Υ			4. (	Unit Identificat	lon			5. Type	<del></del>
Unit		Make			Model		Serial No	).	Repair	Alteration
							·		<u> </u>	
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POWERPLANT										
PROPELLER										-
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APPLIANCE										
, I EINNOE	Manufacturer									
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A. Agency's Na	ame and Addres	20			nformity Stater Kind of Agency			1		
				D.	U.S. Certificate		•	C. Certif	icate No.	
Petroleum 1 P.O. Box 9		inc.			Foreign Certific			Airframe, P	owerplant, and	
				X	Certificated Rep		<del></del>	Accessories	Limited - Rad	io Class
Lafayette, I	A 70509				Manufacturer			1, 2, and 3	- CRS No. HE	ER617E
Have been	made in accor	d/or alteration made dance with the requ nd correct to the be	urements	OI Pa	irt 43 of the LLS	n 4 above S. Federa	and described on the Aviation Regulation	ne reverse ons and the	or attachmer at the inform	nts hereto ation
Date				Sigr	nature of Autho	rized Ind	ividuai	<del></del>		
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Administrator	of the Federal	ven persons specif Aviation Administra	ned below ation and	v, the	unit identified	in item	4 was inspected in REJECTED	the manr	ner prescribe	ed by the
FAA I Inspe	Fit. Standards ctor	Manufacturer		Inspe	ection Authoriza	ition	Other (Specify)			
FAA I	Designee X	·		Cana	on Approved by Ida Airworthines	s Group				
Date of Approva	•	Certificate or Designation No		Sign	ature of Autho		/ .		EDWA	DAE
30 DEC.	1975	HEER617I	2		ma K	(a	world		11/4	INT.

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.)

Installed starter sequence according to Petroleum Helicopters, Inc., Drawing Number 206-L-RI-511, 4 each sheets, Drawing Number PHI-11647, 2 each sheets, Drawing Number 11200 sheet 2a of 2.

Checked switch installation to verify that it would not cause throttle to roll off the stop.

This installation approved for VFR flights only.

This modification is in accordance with data previously approved on FAA Form dated October 21, 1986, for Bell Model 206L-3, N31821, S/N 51076 and approved for duplication on identical aircraft make, model, and altered configuration when accomplished by the original modifier.

END

EDWARDS

1.47 - 403

US Department

# MAJOR ROMAN AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only

Feder	al Aviation									Offi	ce Identification	on	
and di	ispositior	n of this form	. This	all entries. See FAR 4 form is required by late 01 Federal Aviation A	w (49 l	J.S.C.	Appendix B, and 1421). Failure to	d AC 43.9- report car	1 (or subsequent result in a civ	ent r	evision therecent	f) for instru xceed \$1,0	uctions 000
1. Aircı		Make		lelicopters				Model	206L-3				
I. AIICI	all	Serial No.	51529	•	•			Nationality	y and Registra N3116L	tion	Mark		
2. Own	er			on registration certificeasing Corporatio				Address (		ue c	stration certific of the Ameri 10036-8701		
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Un	nit		N	 Make		4. UN	t Identification Model	199-20		Sena	ıl No.	5. Type Repair	Alteration
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Latay	ette, L/	A. 70509				X	Certificated Repair	r Station			& Access Radio Cla		<b>i</b> .
				···			Manufacturer						
hav	e been r	nade in acco	ordance	alteration made to the e with the requiremen rrect to the best of my	ts of P	art 43	fied in item 4 abo of the U.S. Fede	ove and de ral Aviatior	scribed on the Regulations	rev and	erse or attach that the inform	ments here	eto
Date						Signa	ature of Authorize	ed Individu	al				
	10-	14-	20	2001			Mullu	·		(n)	Tes or	·	
				7.	Appro	val for	Return to Servic	е					
				sons specified below, on Administration and		nit idei	ntified in item 4 w		ed in the men		rescribed by	the	
BY _	FAA Inspe	Flt. Standard	ls	Manufacturer		Inspe	ction Authorization		Other (Spec				
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)ate of A	Approval	or Rejection	<u></u>	Certificate or Designation No. HEER617E		_	ature of Authorize		al .		/		
AA Fo	rm 33	(12-88)				1	uille	m	7 7	H	effe	<u> </u>	

* *	i	NOTICE	muinto ni Ormanud An s	torotion must be
Weight and balance or operat compatible with all previous a	Ing limitatio analoges shall learn to assure continue	ed conformity with the a	priate air strecord. Air a oplicable airworthiness req	uirements.
8. Description of Work Accomp				
(If more space is required, attach additi			nd date work completed.)	
	STC INSTALLA	IIONS		
1. Installed Aeronautical Ac	· · · · · · · · · · · · · · · · · · ·			2243SO.
2. Installed Aeronautical Ac	cessories, Inc. step handle	es in accordance with	STC-SH1366SO.	
3. Installed Aeronautical Ac STC-SR01582AT.	cessories, Inc. air deflecto	ors on crew and passe	nger door windows in ac	ccordance with
4. Installed Altair Avionics (accordance with STC-SR001 with Altair Avionics Corpora -SE00026EN for the engine.	113BO, and PHI Drawing N	lumber PHI-206-60387	rev. IR . This installation	n is in conjunction
5. Installed rubber mounted	chin windows in accordan	nce with Aeronautical	Accessories STC-SH5850	SW.
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Additional Sheets Are Attached

US Department
of Transportation
Federal Aviation
Administration

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

of Transporta Federal Avia Administrati	tion	(Airtran	ne, P	owerplant, Pro	op	elle	er, or Appl	iance)				
instruction	TIONS: Print ns and dispos ntion. (49 U.S	sition of this	form.	es. See Title 14 This report is req	CF	R §	43.9, Part 43 by law (49 U.	3 Appendix B, a S.C. §44701).	and AC Fallure	43.9- to rep	-1 (or so ort can	ubsequent revision thereof) for result in a civil penalty for each
	Nationali	ly and Regi	stratio	n Mark No	2	3	6 PH	Serial No.	51	34	15	
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	x	AIRFRAM	E					(As describ	ed in Ite	em 1 a	bove)	
		POWERP	LANT						-			
		PROPELL	.ER									
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Name /	Paul allo A	arker			$\dashv$	X		ated Mechanic			Ma	enufacturer
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zip <u>36</u>	575 00	untry USA		State At	. [			Repair Station Maintenance Orga	nization			7087500
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Extended rai per 14 CFR App. B			Signa	ature/Date of Autho	riz	ed i	ndividual	4-1	'8'-	20	17	
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FAA Form 337 (10/06)

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.

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## US Department of Transportation Federal Aviation Administration

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

Form A	/bbi	oved	
OMB	No.	2120-	0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000

for each suc		ection 901 Federal A	viation	Act of	1958).			- c pom	any not to ex			
	Make					Model						
1. Aircraft	Bell	<del></del>	<u> </u>			2061						
	Serial No.				. 1		ty and Registrati	on Mark				
	5134 Name (4s st	45 nown on registration	no reidic	nto i		N36			·			
		-		•		Address (As shown on registration certificate) 113 Borman Drive						
2. Owner	Petro	oleum Helicopte	rs, Inc	<b>.</b>								
-	<u></u>					Lafa	yette, LA 70	508				
	·			3.	For FAA Use Onl	у						
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NOPELLEN									-			
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				X	Certificated Repair		-	Accessorie	es Limited - Ra	dio Class		
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ite				Sign	nature of Authoriz	ed Individ	dual					
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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.

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### MAJOR REPAIR AND AFTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020

For FAA Use Only Office Identification

	Make D-11		Model			
1. Aircraft	Bell			206L-3		
	Serial No. 51345	* #	Nationality	and Registration Mari	ζ	
	Name (As shown on registrat	ion certificate)	Address //	N363BH		
2. Owner		Helicopters, Inc	Audiess (	As shown on registration	•	
& Verrei		Honooptois, III		113 Borman D		
		A 7: 74.4.1		Lafavette, LA	70508	
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	he data identified herein com					ve
d	escribed aircraft subject to co	nformity inspection by a p	erson authorized	d in FAR 43, Section	43.7.	
	Date: JUN 0 4 1997	FAA Inspector:	and 17			
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POWERPLANT	•					
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	Manufacturer					
		6. Conformity St				
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P.O. Box 9			tificated Mechanic	1 .	ne, Powerplant, a	
Lafayette,	LA 70509	X Certificated			ories Limited - Ra nd 3 - CRS No. H	
		Manufacture				
have been furnished h	It the repair and/or alteration ma made in accordance with the re terein is true and correct to the	quirements of Part 43 of the best of my knowledge.	U.S. Federal Avia	described on the evers ation Regulations and t	e or attachmer hat the inform	nts hereto ation
ite			thorized Individu	ıal		· · · · · · · · · · · · · · · · · · ·
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Ce	5-97	- Carl	Stlly			
Pursuant to the	e authority given persons spec of the Federal Aviation Administ	7. Approval for Return ified below, the unit identification and is APPROV	lied in Item 4 wa	s inspected in the mai	nner prescribe	d by the
	1. Standards	inspection Autho	io	ther (Specify)		
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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.)

### Tail Boom Mounted Antenna

Performed a conformity inspection on tailboom antenna mount previously installed on FAA form dated December 30, 1995.

Installed antenna mount at station 240.0 on lower tailboom skin. Antenna mount base reinforced with 2024T3 .040 aluminum using MS20470AD-4 rivets. Reinforcing plates are protected from corrosion and do not interfere with required inspections. See PHI Drawing Number 206L-3-R1-513 and PHI-050-60019. This antenna mount is a multiple use installation to accommodate antenna systems for VHF and FM's.

Wiring was installed in a suitable manner for protection against fuel, oil, water, and other detrimental substances or abrasion damage and supported by insulated clamps to prevent chafing according to AC 43.13-1A and AC 43.13-2A.

Weight and balance computed.

No compass correction is necessary.

END

Additional Sheets Are Attached

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JS Department
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## MAJOR REPAIR AND ALTERATION

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

of Transpo Federal Av Administra	Vialion	(Airframe	, Powerplant, P	rop	ALTERATI Peller, or Ap	ON Opliance)		-		For FAA Use (	Only
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FAA	A Designee		r Station		pection Autho	rization	Othe	r (Speci			
rtificate or signation No	D.	Signati	re/Date of Authorize								
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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. De	scription of Work Accomplished		
•	s required, attach additional sheets.	identify with aircraft nationality and registration mark and date	work completed

Installed Van Horn Tail Rotor Blades in accordance with Van Horn Aviation L.L.C. STC Number SR02249LA Master Document List (MOL) 206 MDL-001, Revision G. 07-19-2011 and Instructions for continued Airworthiness ICA Manual NO. VMM-20613-307, Revision H 10-09-2013.

FAA approved Referent Flight Manual supplement, Document No 20614-FMS-904 Revision 2, 07-02-2012 is apart of this installation and is installed in the Rotorcraft Flight Manual.

Weight and Ballance Negligible

Additional Sheets Are Attached

# US Department of Transportation

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Federal Aviat								Offic	ce Identification	on					
and disposition	on of this form. T	his f	ll entries. See FAR 43.9	(49 U.S	S.C.	Appendix B, and 1421). Failure to	I AC 43.9-1 (o report can re	or subsequent re esult in a civil pe	vision thereof	f) for instruction	ctions 00				
tor each such	Make	on 90	01 Federal Aviation Act	01 195	8).		Model								
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1. Aircraft	Serial No.	П	elicopter				Nationality a	206L-3 and Registration							
			51529				, tunionality (	N3116L	···ark						
	Name (As she	own	on registration certificat	te)			Address (As		tration certific	ate)					
2. Owner	,		ing Corporatio	•	Address (As shown on registration certificate) 1211 Avenue Of The Americas New York, NY 10036-8701										
	<u> </u>			3.	. Fo	· · · · · · · · · · · · · · · · · · ·									
				4.	. Un	it Identification	3 m 4 m 4 m m m m m			5. Type					
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PROPELLER															
,	Туре														
APPLIANCE	Manufacturer														
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					D. N	U.S. Certificated	Mechanic								
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Lafayette, L				-		Certificated Repa			Accesso	ries Limi	ted				
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have been	made in accorda	ance	Iteration made to the un with the requirements rect to the best of my kr	of Part	43	fied in item 4 abo	ove and desc ral Aviation F	ribed on the reve Regulations and t	erse or attachi hat the inform	ments here ation	to				
Date			<u> </u>			ature of Authoriz	ed Individual	1							
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	1.0		***************************************	pprova	l for	r Return to Servi	ce			**********					
Pursuant to th Administrator	e authority given of the Federal Av	per:	sons specified below, the	ne unit	ider	ntified in item 4 w		in the manner p	rescribed by t	he					
	A Fit. Standards pector		Manufacturer	İr	nspe	ection Authorizat	on	Other (Specify)							
	\ Designee	X	Repair Station	P	Perso Cana	on Approved by dian Airworthine	Fransport ss Group								
Date of Approva	·		Certificate or Designation No. HEER617E	S	Signa	ature of Authoriz	ed Individual				,,,				
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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.)

Nomeclature: Vertical Fin

Original Part Number: 206-020-113-255

Serial Number: BP3092

Work Order Number: J0221506

OVERHAULED ABOVE MENTIONED PANEL IN ACCORDANCE WITH PETROLEUM HELICOPTERS, INC. D.B.A. ACADIAN COMPOSITES, L.L.C., FAA APPROVED OVERHAUL PROCEDURE NUMBER PHI-450-OP-041, REVISION A, DATED 11/23/99. -----END-----

> NOT INSTALLED

> > Additional Sheets Are Attached

<b>₽</b>
<ul> <li>US Department</li> </ul>
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
F	or FAA Use Only

5-21-2012

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)) Serial No. Nationality and Registration Mark 51529 N3116L 1. Aircraft Model Series Make Bell 206 L-3 Address (As shown on registration certificate) Name (As shown on registration certificate) Address Quality Assurance 2001 SE Evangeline Thruway PHI, Inc. 2. Owner Lafayette Country USA 70508-2156 3. For FAA Use Only 5. Unit Identification 4. Type Alteration Make Model Serial No. Repair Unit (As described in Item 1 above) AIRFRAME  $\checkmark$ **POWERPLANT PROPELLER APPLIANCE** Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency U. S. Certificated Mechanic Manufacturer PHI, Inc. Name Foreign Certificated Mechanic C. Certificate No. Address P. O. Box 90808 Lafayette State LA Certificated Repair Station City HEER617E USA Certificated Maintenance Organization Zip 70509-0808 Country 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. Signature/Date of Authorized Individual Extended range fuel per 14 CFR Part 43 App. B 5-21-2012 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 ✓ Approved Administrator of the Federal Aviation Administration and is Rejected Persons Approved by Canadian FAA Flt. Standards Maintenance Organization Manufacturer Department of Transport Inspector BY Other (Specify) Inspection Authorization FAA Designee Repair Station Signature/Date of Authorized Individual Designation No.

HEER617E

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.

scription of Work Accomplished more space is required, attach additional sheets. Iden	my will alloral haddrally and registration mark and date work completed,	
	N3116L 5-21-201.	2
	Nationality and Registration Mark Date	
S	TC INSTALLATIONS	
	rith Aeronautical Accessories, Inc. STC SH1664SO and 9001, Revision I, dated April 17, 2000.	d
	Aeronautical Accessories, Inc. STC SH1664SO and 0021, Revision E, dated April 2, 1998.	
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Additional Sheets Are Attached

#### Higher Stones of America

### Department of Transportation—Federal Aviation Administration

# Supplemental Type Certificate

Number SH1664SO

This certificate, issued to

Aeronautical Accessories, Inc. P.O. Box 3689 Bristol, Tennessee 37625

cortifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airward war require ments of Part 6 of the Civil Air Regulations.

Original Product Type Cortificator Number H25W

Make Bell

Madel: 206A, 206B, 206L, 206L-1, 206L-3, 206L-4

Dissoription of Type Design Change: Installation of replacement windows and windshields in accordance with Aeronautical Accessories, Inc. Report No. KR-362, Drawing List Replacement Windshield and Window Installation dated August 23, 1984, or later FAA approved revision.

Limitations and Conditions: This approval should not be extended to other rotorcraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will produce no adverse effect upon the airworthiness of that rotorcraft. This determination should include consideration of significant changes in weight distribution such as an increase in the fixed disposable weight of the fuselage.

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

Date of upplication:

May 9, 1984

Duto reissued:

Late of issuance :

August 29, 1984

Late amended:

October 5, 1992

Paul C. Sconsensel

By direction of the Defministrator

Acting Manager, Atlanta 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.



## Aeronautical Accessories, Inc P.O. BOX 3689

BRISTOL, TENNESSEE 37625-3689 U.S.A.

**TELEPHONE: 423-538-5151** 

800-251-7094

TELEFAX: 423-538-8469 E-MAIL: sales@aero-access.com

TO:

Petroleum Helicopters, Inc.

ATTN:

Lee Prejean

DATE:

January 31, 2007

REF:

**Authorization Letter** 

Aeronautical Accessories, Inc. authorizes your company to install all of our "STC" products on your "fleet of aircraft".

Our "STC" products are listed in our product catalog.

Regards,

James Rumley Marketing/Sales Mgr.

US Department
of Transportation
Federal Aviation
Administration

## **MAJOR REPAIR AND ALTERATION**

Form Approved OMB No. 2120-0020 11/30/2007	Electronic Tracking Number
F	or FAA Use Only

of Transporta Federal Avia Administration	lion t <b>i</b> on	(Airfra	me, F	Powerplant, F	Pro	pei	ler, or App	oliance)	-		FOI FAX USE ONLY	
instruction	TIONS: Prints and disposition. (49 U.S	sition of th	is form	ies. See Title 14 . This report is re	F CF	R §	\$43.9, Part 43 by law (49 U.	3 Appendix S.C. §4470	B, and AC 43.	9-1 (or su port can re	bsequent revision thereof) for esult in a civil penalty for each	
		ty and Reg	istratio	n Mark	-	-	-	Serial N		-		
1. Aircraft	Make	6PH /						Model	345		Series	
	Bell								06		L-3	
	Name (A	s shown o	n regisi	tration certificate)	)			Address	(As shown on r	egistration	certificate)	
2. Owner	PHI	, Inc.						Address Quality Assurance 2001 SE Evangeline Thru				
									0508-2156	Соц	USA .	
						3.	For FAA Use	Only				
4. Ty	/pe					5.	Unit Identific	ation				
Repair	Alteration	Un	it		Ma	ke			Model		Serial No.	
	<b>7</b>	AIRFRAI	ΜE					(As de:	scribed in Item 1	above)		
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		PROPEL	LER		_		-		·			
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		APPLIAN	ICE	Manufacture <i>r</i>								
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A. Agency's	Name and A	ddress			- 6	_	nformity Sta Kind of Agend				<u> </u>	
Name PHI.	Inc.				_	ĺ	U. S. Cerlific	-	ic	Mar	nufacturer	
Address P. O.		3			_		Foreign Cert			C. Certif	icate No.	
city <u>Lafay</u> Zip 70509		intry USA	•	State <u>LA</u>	-	$\checkmark$	Certificated F	•	<del></del>	1	HEER617E	
D. I certify have b	that the rep	pair and/or accordance	alterati e with	ion made to the the requirements the best of my k	of f	Part	43 of the U.S	em 5 above	and described	on the rev	erse or altachments hereto at the information	
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_				7.	Арр	(O)	al for Return	to Service	i .			
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BY FA	A Designee	х	Repa	ir Station		Ins	pection Author	orization	Other (Sp	ecify)		
Certificate or	<del></del>		Signa	tyre/Date of Auth	oriz	ed l	ndividual	•	<del></del>		ALIC 1 o onto	
Designation N H	lo. EER617E	-		) 2 Elle	ላ.	S	0		) l Eir	VSC:	AUG 1 2 2013	
FAA Form	337 (10-06)			(	$\bigcirc$	)				·		

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.

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		Nationality and Registration Mark	Date
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Installed windshields in accordance wit Installation Instructions Report AA-890	h Aeronautic 01, Revision	al Accessories, Inc. STC S I, dated April 17, 2000.	SH1664SO and
Actual weight and balance complied w	th.		
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Additional Sheets Are Attached



## Aeronautical Accessories, Inc P.O. BOX 3689

BRISTOL, TENNESSEE 37625-3689 U.S.A.

TELEPHONE: 423-538-5151

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TELEFAX: 423-538-8469

E-MAIL: sales@aero-access.com

TO:

Petroleum Helicopters, Inc.

ATTN:

Lee Prejean

DATE:

January 31, 2007

REF:

**Authorization Letter** 

Aeronautical Accessories, Inc. authorizes your company to install all of our "STC" products on your "fleet of aircraft".

Our "STC" products are listed in our product catalog.

Regards, James Rumley

Marketing/Sales Mgr.



Administration

JUL 2 1997

Small Airplane Directorate
Atlanta Aircraft Certification Office
Campus Building
1701 Columbia Avenue, Suite 2-160
College Park, Georgia 30337-2748

Mr. Robert Shepard Aeronautical Accessories, Inc. P.O. Box 3689 Bristol, TN 37625-3689

Dear Mr. Shepard:

This is in regard to your question about Section 44704 in the Federal Aviation Reauthorization Act. The section states "if the holder of the supplemental type certificate agrees to permit another person to use the certificate to modify an aircraft, aircraft engine, propeller, or appliance, the holder shall provide the other person with written evidence, in a form and manner acceptable to the Administrator, of the agreement." This requirement applies to a Supplemental Type Certificate (STC) holder who allows another person or company to use the data and/or drawings from an STC to construct their own modification or alteration to the aircraft. In this case the STC holder needs to provide that person with written approval allowing them the use of the STC information. This written authorization would usually specify the number of aircraft allowed to be altered using the STC and would probably specify the company or person allowed to perform the alteration, thus preventing unlimited use of the information.

This section of the Act was written to prevent unauthorized use of the property (drawings, reports, etc.) of the STC holder. This statement does <u>not</u> apply to Parts Manufacturing Approval (PMA) parts that were approved using an STC. The holder of the STC and PMA, by selling those PMA parts, is allowing the use of that number of PMA parts. Possession of the PMA'd part is considered the "authorization" of its use and no formal written authorization is required.

Sincerely,

Paul C. Sconvers

Associate Manager, ACE-117A

Atlanta Aircraft Certification Office

US Department of Transportation	
Federal Aviation	

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

Form /	۱qq	roved	
ОМВ	No.	2120-002	O

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

for each su	ch violation (Sect	tion 901 Federal Av	iation A	Act of	1958).		. 0,00. 1.00.		a civii pen	eny nor to ex	Cee0 \$ 1,000	
1. Aircraft	Make Bell			Model 206L-3								
i. Alleian	Serial No.			Nationality and Registration Mark								
<del></del>	51345						1363BF					
	Name (As shown on registration certificate)				Addres	s (As sho	wu ou tei	gistration	certificate)			
2. Owner	Petroleum Helicopters, Inc				113 Borman Drive							
					L	afayett	e, LA 7	0508				
				3.	For FAA Use (	only	-1					
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			······	B.	Kind of Agency U.S. Certificate	· · · · · · · · · · · · · · · · · · ·			C. Certi	ficate No.		
P.O. Box 9	Helicopters,	inc.			Foreign Certific				Airframe	, Powerplant, as	nd	
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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.

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