# US Department (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).

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d. Alexandr	Make COMMANDER AIRCRAFT			Γ		Viodel 114	TC	\$1+ Z	3 / 10-	J 4. 31	
1. Aircraft	Serial No. 2000	05			Nationality and Registration Mark N595TC						
2. Owner	Name (As show	o on registration certif N NORMAN S	icate)	Address (As shown on registration of 10600 SEPULVEDA BLVD MISSION HILLS, CALIFOR				O STE 101			
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ne and open bonner constraint		-test mass market again	oroamilan	4. (	Unit Identificatio	n	ultres mens usemi abilisessi	-	5. Type		
Unit	l l	Vlake			Model		Serial No	i,	Repair	Alteration	
AIRFRAME	(As de			escribed in Item 1 above)————————————————————————————————————						X	
POWERPLANT											
PROPELLER	Attended to the state of the st										
APPLIANCE	Type Manufacturer										
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BRUCE AL	LAN BELL			-	Foreign Certificate			519805	1262		
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â .					Manufacturer						
		teration made to the unit(s Part 43 of the U.S. Federal		n Reg		information for	urnished herin is true al	e and correc			
			7. App	-	al for Return To						
Pursuant to the Administrator	ne authority given of the Federal Av	persons specified befation Administration a	ow, the	e unit			ected in the man	ner preso	ribed by the		
FAA Inspe	Fit. Standards ector	Manufacturer	×		pection Authorizat	7,71	Other (Specify)	1		T I	
10 10 10 10 10 10	Designee	Repair Station		Car	rson Approved by nada Airworthines	ss Group					
Date of Approv 05-2	al or Rejection 4-2003	Certificate or Designation No. 519805267	<b>2</b> 1003	100	nature of Authoriz			2003	Property Control of Control		

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 ALTERATION** (Airframe, Powerplant, Propeller, or Appliance)

Form Approved		
OMB No. 2120-	002	0

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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					3. For FAA Use	Only						
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					4. Unit Identifica	ation	r			5. Type		
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	akeshore drive #20	Tr. I collect			Certificated Rep	air Station	air Station A&P I.A.					
	a City, California.				Manufacturer							
have	ify that the repair and/or been made in accordar	nce with the require	ments of Part	entifie 43 o	d in item 4 above f the U.S. Federa	and desc Aviation	ribed on the re Regulations an	verse or id that th	attachments here e information furn	eto ished		
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Date 10-30-20	04				Signature of Aut	uionzea in	lawatat					
					Bruce Allan	Bell	Bruce a	Olen 1	see 10/30	12004		
			7	. Ap	proval for Retur	n to Serv	ice					
	to the authority given prator of the Federal Avia				Control of the contro	inspected	in the manner	prescri	oed by the			
	FAA Fit Standards	Manufactu			Inspection Author	orization		Oth	er (Specify)			
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BY	FAA Designes	Repair Ste	ation		Person Approve Canada Airworti							
Date of App 10-30-20	roval or Rejection	Certificate or			Signature of Aut	thorized In	dividual					
	NO.	Designation No.			Bruce Allan Bell Bruce Ollem Bell 10/30 /2004							

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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
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<b>Federal Aviation</b>
Administration

# MAJOR REPAIR AND ALTERATION

Form Approved OMB No. 2120-0020	Electronic Tracking Number

For 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 20005 N595TC 1. Aircraft Series Model Make 114TC COMMANDER Address (As shown on registration certificate) Name (As shown on registration certificate) 228 Maple Street Neal Clayton 2. Owner Hahnville, LA 70057 USA 3. For FAA Use Only 5. Unit Identification 4. Type Serial No. Model Alteration Make Unit Repair (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 Manufacturer X U. S. Certified Mechanic Robert W. Woodruff C. Certificate No. Foreign Certified Mechanic 3203 Kingsbury Drive 4555239063 Certified Repair Station McKinney, TX Robert W. Woodruff Certified Maintenance Organization 75069 USA 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 Robert W.Woodruff per 14 CFR Part 43 20-June-2014 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 X Approved Rejected Persons Approved by Canadian FAA Flt. Standards Maintenance Organization Manufacturer Department of Transport Inspector Other (Specify) BY Repair Station Inspection Authorization FAA Designee X Authorized Individua Certificate or Robert W. Woodruff Designation No. 20-June-2014

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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.

<ul> <li>Description of Work Accomplished (If more space is required, attach additional sheets. Identify with aircraft r.</li> </ul>	nationality and registration mark and date w	ork completed.)
(If more space is required, attach additional sheets. Identity with aircraft i	The second secon	Jun-19-2014
	N595TC	
	Nationality and Registration N	lark Date
Removed the following equipment:		
King KI-525A HSI P/N 066-3046-01	*	
King KG-102A DG P/N 060-0015-00		
King KMT-112 P/N 071-1052-00		
King KA-51A Slaving Switch P/N 071-1053-04 King KLN 90B GPS P/N 066-04031-2121		
King KX 155 Nav/Com P/N 069-1024-39		
King KR 87 ADF P/N 066-1072-04		
King KI 208 VOR/LOC Indicator P/N 066-3056-00		
King KI 227 ADF Indicator P/N 066-3063-00		
King KA 44B ADF Antenna P/N 071-1234-00		
S-Tec ST 360 Altitude Pre-Selector P/N 0140		
Mid Continent MD41-328 ACU		
Comant Cl401-7 GPS Antenna		
Comant CI 106		
DME Antenna P/N 071-1174-00		
AT420000 Clock		
VSI P/N 7000		
Flightcom 403 Intercom		
2. Installed the following equipment:		
Aspen EFD 1000 P/N 910-00001-001		
Aspen MFD 1000 P/N 910-00001-002		
Aspen MFD 500 P/N 910-00001-003		
Aspen RSM P/N 910-00003-001		
Aspen RSM P/N 910-00003-002		
Aspen ACU P/N 910-00004-001		
Aspen EBB 58 Emergency Battery P/N 413-00002-001 Garmin GNS 430W P/N 011-01060-00		
Garmin GNS 450W P/N 011-01000-00  Garmin GNS 450W P/N 011-01000-00		
PS Engineering PMA 8000B Audio Panel P/N 050-890-0202		
King KT 74 Transponder P/N 89000007-002001		
Comant CI 105 Transponder Antenna		
APS4A Altitude Pre-Selector P/N AS02-ALTPIB-41		
3. Aspen Evolution 2500 System installation was done as per STC SA10	822SC. Garmin GNS 430W installation wa	s done as per STC
SA01933LA-D.  All equipment installed as per Manufacturer's Instructions and in accord-	ance with AC 43.13-1B/2B. The following n	nanuals were used for
reference: Aspen Avionics EFD 1000 Installation Manual 900-00003-00	Rev AT, March 2014, Garmin GNS 430W	Installation Manual P/N
190-00356-02 Rev K, January 2014, PS Engineering PMA 8000B Installa	ation Manual P/N 200-890-0101 Rev 4, Apr	il 2012, and King KT 74
Installation Manual P/N D201308000037 Rev 0, November 2013.		
4. Aspen Evolution 2500 system is interfaced to the Garmin GNS-430W,	King KX-155, APS4A Altitude Pre-Selecto	r, and S-Tec 55X Autopilot.
5. Recomputed Weight and Balance and entered into aircraft records.		
6. All wiring meets requirements of AC 43.13-1B chapter 11. Wiring was was used as per AC 43.13-1B chapter 11. Electrical load does not exceed for AC 43.13-2B chapter 2. All installed equipment was checked for EMI	d limits as per AC 43.13-1B chapter 11. W	iring also meets requiremen
tested accordingly to show compliance with 14 CFR 23.1301.		
7. The following circuit protection was used for this installation; The Asp breaker, the EFD 1000 MFD was installed on the main bus with a 7.5 A	en EFD 1000 PFD was installed on the ma	in bus with a 7.5 AMP circui

ADDITIONAL SHEETS ARE ATTACHED

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. Identification	ify with aircraft nationality a	nd registration mark and date wor	k completed.)
	F	N595TC	Jun-19-2014
		Nationality and Registration Mar	The second secon
with a 7.5 circuit breaker. The Aspen ACU was installed or the avionics bus with a 5 AMP circuit breaker, the GNS 43 8000B was installed on the avionics bus using a 5 AMP circuit breaker.	OW GPS was installed on the	AMP circuit breaker, the GNS 430 he avionics bus with a 5 AMP circ	OW Com was installed on cuit breaker, the PMA
<ol> <li>FAA Approved flight manual supplement for the Aspen B aircraft owner/operator and must be on board the aircraft for P/N 190-00356-03 Rev B, July 9, 2009 has been provided</li> </ol>	or this installation. FAA Ap	proved flight manual supplement	for the Garmin GNS 430W
<ol> <li>Continued Airworthiness for this installation should be per Rev T for the Aspen EFD 1000, and P/N 190-00356-65 Re should be performed as per the KT 74 Installation Manual PMA 8000B should be performed as per the PMA 8000B in the aircraft owner/operator for inclusion into the aircraft manual</li> </ol>	ev C, February 2013 for the P/N D201308000037 Rev Installation manual P/N 200-	Garmin GNS 430W. Continued A 0, November 2013, and Continue	irworthiness for the KT 74 d Airworthiness for 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.

3. Description of Work Accomplished		
(If more space is required, attach additional sheets. Identify with aircraft na	ationality and registration mark and date work	completed.)
Services of the Service of the Servi	N595TC	Jun-19-2014
	Nationality and Registration Mark	Date
1. Removed the following equipment:	4227	
King KI-525A HSI P/N 066-3046-01	46	
King KG-102A DG P/N 060-0015-00		
King KMT-112 P/N 071-1052-00		
King KA-51A Slaving Switch P/N 071-1053-04		
King KLN 90B GPS P/N 066-04031-2121		
King KX 155 Nav/Com P/N 069-1024-39		
King KR 87 ADF P/N 066-1072-04		
King KI 208 VOR/LOC Indicator P/N 066-3056-00		
King KI 227 ADF Indicator P/N 066-3063-00		
King KA 44B ADF Antenna P/N 071-1234-00		
S-Tec ST 360 Altitude Pre-Selector P/N 0140		
Mid Continent MD41-328 ACU		
Comant CI401-7 GPS Antenna		
Comant CI 106		
DME Antenna P/N 071-1174-00 AT420000 Clock		
VSI P/N 7000		
Flightcom 403 Intercom		
2. Installed the following equipment:		
Aspen EFD 1000 P/N 910-00001-001		
Aspen MFD 1000 P/N 910-00001-002		
Aspen MFD 500 P/N 910-00001-003		
Aspen RSM P/N 910-00003-001		
Aspen RSM P/N 910-00003-002 Aspen ACU P/N 910-00004-001		
Aspen EBB 58 Emergency Battery P/N 413-00002-001		
Garmin GNS 430W P/N 011-01060-00		
Garmin GA 35 GPS Antenna P/N 013-00235-00		
PS Engineering PMA 8000B Audio Panel P/N 050-890-0202		
King KT 74 Transponder P/N 89000007-002001		
Comant CI 105 Transponder Antenna		
APS4A Altitude Pre-Selector P/N AS02-ALTPIB-41	*	
3. Aspen Evolution 2500 System installation was done as per STC SA108	22SC. Garmin GNS 430W installation was do	ne as per STC
SA01933LA-D.	11)	
All equipment installed as per Manufacturer's Instructions and in accordant	nce with AC 43.13-1B/2B. The following manua	als were used for
reference: Aspen Avionics EFD 1000 Installation Manual 900-00003-001	Rev AT, March 2014, Garmin GNS 430W Inst	allation Manual P/N
190-00356-02 Rev K, January 2014, PS Engineering PMA 8000B Installat	ion Manual P/N 200-890-0101 Rev 4, April 201	12, and King KT 74
Installation Manual P/N D201308000037 Rev 0, November 2013.		
4. Aspen Evolution 2500 system is interfaced to the Garmin GNS-430W,	King KX-155, APS4A Altitude Pre-Selector, and	d S-Tec 55X Autopilot.
5. Recomputed Weight and Balance and entered into aircraft records.		
6. All wiring meets requirements of AC 43.13-1B chapter 11. Wiring was re	outed and secured as per AC 43.13-1B chapte	r 11. Circuit protection
was used as per AC 43.13-1B chapter 11. Electrical load does not exceed	limits as per AC 43.13-1B chapter 11. Wiring	also meets requirement
of AC 43.13 -2B chapter 2. All installed equipment was checked for EMI i	nterference as per AC 43.13-1B chapter 11. A	l effected systems were
tested accordingly to show compliance with 14 CFR 23.1301.		
7. The following circuit protection was used for this installation; The Aspe	n EFD 1000 PFD was installed on the main bu	s with a 7.5 AMP circuit
breaker, the EFD 1000 MFD was installed on the main bus with a 7.5 AM	IP circuit breaker, and the EFD 500 MFD was	installed on the main b

ADDITIONAL SHEETS ARE ATTACHED

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 no	ationality and registration mark and date work co	mpleted.)
	N595TC	Jun-20-2014
	Nationality and Registration Mark	Date
Removed the following equipment:     Removed the following equipment:     Removed the following equipment:		
2. Installed the following equipment: IP Instruments EDM 930 Engine Monitor System	*	
JPI EDM 930 Engine Monitor System installation was done as per STC and in accordance with AC 43.13-1B/2B. The following manuals were used behaviory 24, 2014.	SA01435SE. All equipment installed as per Man d for reference: JPI EDM 930 Installation Manual	ufacturer's Instruction: P/N 908 Rev. I,
. The following circuit protection was used for this installation; The follow ub panel: 5 AMP circuit breaker.	ing items were installed on the main power bus l	ocated on the CoPilot
6. All wiring meets requirements of AC 43.13-1B chapter 11. Wiring was revas used as per AC 43.13-1B chapter 11. Electrical load does not exceed if AC 43.13-2B chapter 2. All installed equipment was checked for EMI intested accordingly to show compliance with 14 CFR 23.1301.	limits as per AC 43.13-1B chapter 11. Wiring als	o meets requirements
. Weight and Balance has been computed and entered into POH and airc	raft records.	
. FAA Approved flight manual supplement for the JPI EDM 930 P/N 930-0 wner/operator and must be on board the aircraft for this installation.	0001 Rev C, December 10, 2004 has been provide	ded to the aircraft
Continued Airworthiness for this installation should be performed as per uly 15, 2012 for the JPI EDM 930 System. Copies have been provided to ecords.  The aircraft/appliance identified above was repaired in accordance with a	the aircraft owner/operator for inclusion into the	aircraft maintenance
or return to service with respect to work performed.		
END		*************
		941
ADDITIONAL SHEE	TS ARE ATTACHED	

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US Department
of Transportation
Federal Aviation

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

OMB No. 2120-0020 Exp 5/31/2018	Electronic Tracking Number	
For 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)) Nationality and Registration Mark Serial No 20005 USA N595TC Series 1. Aircraft Mode Make COMMANDER AIRCRAFT CO. Address (As shown on registration certificate) Name (As shown on registration certificate) Address 104 SAN MATEO CT CLAYTON, ROBERT, NEAL State ALLEN 2. Owner 75013-3679 Country Zip 3. For FAA Use Only The data identified herein compiles with applicable airworthiness requirements and is approved for the above described aircraft subject to a conformity inspection by a person authorized in FAR 43, Section 43.7. wenes It Date Aviation Safety Inspector ACE-FSDO-19 5. Unit Identification 4. Type Serial No. Model Unit Make Repair Alteration 20005 COMMANDER AIRCRAFT CO. (As described in Item 1 above) AIRFRAME X POWERPLANT PROPELLER vpe APPLIANCE Manufacturer 6. Conformity Statement B. Kind of Agency A. Agency's Name and Address Manufacturer U. S. Certificated Mechanic ANDREAS M. MONTGOMERY Foreign Certificated Mechanic C. Certificate No. 195 COUINTY ROAD State TN Certificated Repair Station City ATHENS USA Country Certificated Maintenance Organization 37303 Zic 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/D Extended range fuel per 14 CFR Part 43 App. B 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 Department of Transport Manufacturer Inspector BY Other (Specify) Repair Station FAA Designee Authorized Individual Certificate or Signature/ Designation No. 3450751

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.

	USA
	N595TC
	Nationality and Registration Mark Date
INSTALLED ROCKY TOP LEASING, INC. FW1500 ACCORDANCE WITH THE FOLLOWING APPROV	
LIBERTY PARTNERS, INC. REPORT LP-ER 1055 BY THOMAS W. McTIGUE, STRUCTURAL DER C	
DRAWING RTL 114TC-20005 REV (I/R) DATED 12 SMITH, ELECTRICAL DER ON 67/11/2016 FAA	ORM 8110-3 ATTACHED.
THE FOLLOWING FAA/PMA FORT WORTH AIRW AFT OF THE BAGGAGE COMPARTMENT COMP INSTALLED AT FS 193.0. CONDENSER AND FAI FS 188.0. EVAPORATOR FAN ASSEMBLY P/N F	PRESSOR ASSEMBLY P/N CMP-100HD N ASSEMBLY P/N FWA3415 INSTALLED AT
FC802-6 AND FC802-8 REFRIGERANT HOSE INSEVAPORATOR. FC802-10 LOW PRESSURE REFEVAPORATOR AND COMPRESSOR SUCTION. ECHECK FOR 60 MINUTES AS PER APPROVED DOUNDS OF R-134A REFRIGEERANT AND CHECOPERATION. COMPLIED WITH ALL OPERATION WEIGHT AND BALANCE ADJUSTMENT. COMPLINSERTED A SUPPLEMENT TO POH AND CONFACCORDANCE WITH THE POH SUPPLEMENT.	RIGERANT HOSE INSTALLED BETWEEN EVACUATE SYSTEM TO 28" AND LEAK DATA AS REQUITED. CHARGED WITH 1.5 CKED THE ENTIRE SYSTEM FOR PROPER NAL CHECKS AS REQUIRED. COMPLETED TED MAINTENANCE RECORD ENTRY.
INSTALLED CIRCUIT PROTECTION (CIRCUIT BR CONTROL PANEL P/N CTL-100D ON INSTRUME	REAKERS) PER INSTRUCTIONS. INSTALLED NT PANEL AND PLACARDED AS REQUIRED.
ICA DOCUMENT NUMBER FW9800C206MM REV INCLUDED WITH THIS FAA FORM 337 THAT PER PROVIDED THE OWNER. "APPROVED" WIRING 12/18/2015 IS ALSO INCLUDED IN THE ICA.	RTAINS TO THIS OPERATION AND

Additional Sheets Are Attached