

# N318DN

## 1981 Citation I/SP

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# FAA Form

# 337s

**Aircraft S/N: 501-0184**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*

FAA



U.S. Department of Transportation  
Federal Aviation Administration

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

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

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See 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 1958)

1. Aircraft	Nationality and Registration Mark USA N318DN	Serial No. 501-0184
	Make CESSNA	Model 501

2. Owner	Name (As shown on registration certificate) REULAND ELECTRIC CO.	Address (As shown on registration certificate) Address 17969 RAILROAD ST City CITY OF INDUSTRY State CA. Zip 91748-1113 Country USA
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#### 3. For FAA Use Only

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

#### 6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name CASEY MATTHEWS		<input checked="" type="checkbox"/> U.S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address 4012 HIGHLANDS BLVD		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City PUYALLUP State WA.		<input type="checkbox"/> Certificated Repair Station	AP3709969
Zip 98372 Country USA		<input type="checkbox"/> Certificated Maintenance Organization	

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

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual CASEY MATTHEWS 8-8-19
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#### 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  APPROVED  REJECTED

BY	FAA Fit Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. 536760657	Signature/Date of Authorized Individual KURT BOSWELL 8-8-19
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**NOTICE**

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

**8. Description of Work Accomplished**

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

USA N318DN

Nationality and Registration Mark

08/08/19

Date

**USA,N318DN, S/N: 501-0184 work order 2207**

**AVIONICS INSTALLATION**

1) Removed the following equipment: Dual VHF20 COM, dual VIR30 NAV, dual TDR90 Transponder, KLN90B GPS, Integrated Nav Source selector, RS08-011 Relay assembly, KA92 GPS antenna, CI401-460 GPS/XM antenna, KMD540 Multi-Function display, and 1U434-001 Frequency Control panel.

2) Installed the following equipment: Garmin GTN750 Nav/Com/GPS, GTN650 Nav/Com/GPS, GTX345R Transponder, GTX335R Transponder, Dual GAD42 Adapters, GDL69 XM WX receiver, GA35 GPS antenna, Comant CI-428-410 GPS/XM antenna, and Sandia AIS240-35 Relay assembly. This equipment is installed in accordance with JETTECH STC ST02432LA. Reference JETTECH Master Document list JTECH-WAAS-0001, rev E.

Minor pin assignment changes, as allowed by the STC, are documented on the following ACE Aviation, Inc. drawings: C501\SN5010184\3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17.

Existing, approved, mounting locations and provisions are used for the GA35 GPS antenna and CI-428-410 GPS/XM antennae.

Existing COM, NAV, Glideslope, and Transponder antennae are used.

The existing RDR2000 Radar sensor is integrated to the GTN750 system for display and control

AFMS p/n: JTECH-WAAS-0102 rev D, dated 02/04/19 and Instructions for Continued Airworthiness, p/n: JTECH-WAAS-0003 rev D dated 07/20/18, have been provided to the aircraft operator.

-----END-----



US Department of Transportation  
Federal Aviation Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

<b>1. Aircraft</b>	Nationality and Registration Mark <b>N318DN</b>	Serial No. <b>501-0184</b>
	Make <b>CESSNA</b>	Model <b>CESSNA</b> Series <b>501-0184</b>
<b>2. Owner</b>	Name (As shown on registration certificate)	
	Address (As shown on registration certificate)	
	Address <b>17969 RAILROAD ST</b>	
	City <b>CITY OF INDUSTRY</b> State <b>CA</b>	Zip <b>91748-1113</b> Country <b>UNITED STATES</b>
<b>3. For FAA Use Only</b>		

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

6. Conformity Statement			
A. Agency's Name and Address		B. Kind of Agency	
Name <b>Sacramento Citation Service Center</b>		<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address <b>5850 Citation Way</b>		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City <b>Sacramento</b> State <b>CA</b>		<input checked="" type="checkbox"/> Certificated Repair Station	
Zip <b>95837</b> Country <b>USA</b>		<input type="checkbox"/> Certificated Maintenance Organization	<b>CNQ4918C</b>

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

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <b>Richard Lincoln</b> <b>11/15/16</b>
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**7. Approval for Return to Service**

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

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. <b>CNQ4918C</b>	Signature/Date of Authorized Individual <b>Narciso Tadeo</b> <b>11/15/16</b>
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**NOTICE**

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

**8. Description of Work Accomplished**

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

N318DN	11/15/2016
Nationality and Registration Mark	Date

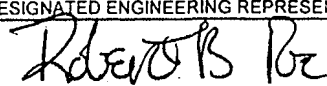
Aircraft serial number: 501-0184  
Aircraft time: 9119.2

Completion of this FAA Form 337 is to document the IR/GPS Antenna Installation at F.S. 252.225 per FAA form 8110-3 dated 11/04/2016 and Antenna Installation Analysis AvSpec Report Number 110316 dated 11/03/2016 Revision N/C.

Weight and balance change and equipment list information was updated.

Instructions for Continued Airworthiness (ICA): No change to the airframe manufacture's (Cessna) inspection program. Component to be inspected under normal inspection criteria per Chapter 5 of the Cessna 500 Series Maintenance Manual.

Additional Sheets Are Attached

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION <b>STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS</b>			1. DATE November 4, 2016
<b>AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION</b>			
2. MAKE  Textron Aviation Inc.	3. MODEL NO.  501	4. TYPE (Airplane, Radio, Helicopter, etc.)  AIRPLANE	5. NAME OF APPLICANT Sacramento Service Center 5850 Citation Way Sacramento, CA 95837
<b>LIST OF DATA</b>			
6. IDENTIFICATION  <u>Report(s):</u> Rpt No: 110316 Rev: N/C Date: 11/3/16  <u>Drawing(s):</u> Dwg No: 501-318DN Rev: N/C Date: 11/2/16	7. TITLE  Antenna Installation Analysis for Cessna 501, Registration Number N318DN, Serial Number 501-0184  Cessna 501 IR/GPS Antenna Installation  ----- LAST ITEM THIS SHEET -----  <b>NOTES:</b> 1. This approval indicates the data listed above demonstrates compliance only with the regulations specified by paragraph and subparagraph listed below as "Applicable Requirements". Compliance to additional regulations not listed here may be required. This form does constitute FAA approval of the entire repair.  2. Structural aspects only of the above listed data are approved. This approval is only for the engineering design data.  3. This data is valid only for Cessna 501, R/N N318DN, S/N 501-0184.		
8. PURPOSE OF DATA:     Substantiate data in support of FAA Form 337.			
9. APPLICABLE REQUIREMENTS (List specific sections) <b>TITLE 14 CFR, PART 23, FEDERAL AIR REGULATIONS:</b> Subpart C §23.301(a)[Amdt 23-48], §23.303[Amdt 0], §23.305(a)(b)[Amdt 23-45], §23.307(a)[Amdt 0]; Subpart D §23.365(a)(b)(c)(d)[Amdt 0], §23.601[Amdt 0], §23.603[Amdt 23-23], §23.605(a)[Amdt 23-23], §23.609(a)[Amdt 0], and §23.613[Amdt 23-45].			
10. CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under 14 CFR Part 183, data listed above and on attached sheets numbered <u>NA</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Airworthiness Standards listed.  <input type="checkbox"/> Recommend approval of these data I Therefore <input checked="" type="checkbox"/> Approve these data			
11. SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S) ROBERT B. POE 	12. DESIGNATION NUMBER(S) DERT-605449-NM	13. CLASSIFICATION(S) STRUCTURES (P1, P4)	
(Empty space for additional data or notes)			



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 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).

<b>1. Aircraft</b>	Make <b>CESSNA</b>	Model <b>501</b>
	Serial No. <b>501-0184</b>	Nationality and Registration Mark <b>N501VC</b>
<b>2. Owner</b>	Name (As shown on registration certificate) <b>VIRGO COMMODITIES</b>	Address (As shown on registration certificate) <b>3505 BOCA CHICA BLVD STE 109 BROWNSVILLE, TEXAS 78521-4064</b>

### 3. For FAA Use Only

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

### 6. Conformity Statement

<b>A. Agency's Name and Address</b> SAN ANTONIO CITATION SERVICE CENTER ONE CESSNA DRIVE SAN ANTONIO TX. 78216	<b>B. Kind of Agency</b> <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	<b>C. Certificate No.</b> LIMITED AIRFRAME CNQ5918C
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**D.** I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <b>April 10, 2011</b>	Signature of Authorized Individual 
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### 7. Approval for Return to Service

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

<b>BY</b>	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <b>4/10/2011</b>		Certificate or Designation No. <b>CNQ5918C</b>	Signature of Authorized Individual 	

**NOTICE**

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

**B. Description of Work Accomplished**

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

CITATION MODEL 501  
SERIAL NUMBER 501-0184  
REGISTRATION NUMBER N501VC  
TOTAL AIRFRAME TIME HOURS: 8569

This form is to correct the field approved 337 Dated March 5, 2004 concerning the radar system installed at that time. The correct nomenclature for the Bendix/King radar system installed is RDR2000 Radar system not RDR 2100. The two systems are similar in form and function.

\*\*\*\*\*END\*\*\*\*\*

Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

<b>1. Aircraft</b>	Nationality and Registration Mark <b>N318N</b>	Serial No. <b>501-0184</b>	
	Make <b>Cessna</b>	Model <b>501</b>	Series <b>501</b>
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Reuland Electric Co.</b>		Address (As shown on registration certificate) Address <b>17969 Railroad St.</b>
			City <b>City of Industry</b> State <b>CA</b> Zip <b>91748-1113</b> Country <b>UNITED STATES</b>

### 3. For FAA Use Only

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

### 6. Conformity Statement

A. Agency's Name and Address			B. Kind of Agency		
Name	<b>Cessna Aircraft Company</b>		<input type="checkbox"/>	U. S. Certificated Mechanic	Manufacturer
Address	<b>5850 Citation Way</b>		<input type="checkbox"/>	Foreign Certificated Mechanic	C. Certificate No. <b>CNQ4918C</b>
City	<b>Sacramento</b>	State <b>CA</b>	<input checked="" type="checkbox"/>	Certificated Repair Station	
Zip	<b>95837</b>	Country <b>USA</b>	<input type="checkbox"/>	Certificated Maintenance Organization	

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

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual  <b>Marshall L. Bauguss 08/24/10</b>
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### 7. Approval for Return to Service

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

BY	FAA Fit. Standards Inspector	<input type="checkbox"/>	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	<input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. <b>CNQ4918C</b>	Signature/Date of Authorized Individual  <b>Dennis Murany 08/24/10</b>
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**NOTICE**

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

**8. Description of Work Accomplished**

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

N318DN

08/24/2010

Nationality and Registration Mark

Date

S/N: 501-0184

TTSN: 8507.2

Completion of this form is to document the removal of the Fairchild Model GA100 Cockpit Voice Recorder. This alteration was performed by removing the Cockpit Voice Recorder (P/N: GA100-0000), control panel (P/N: 191-E0044-01), and by collaring the CVR circuit breaker to the open position.

Updated Weight and Balance Data along with Aircraft Equipment List.

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-END-  
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Additional Sheets Are Attached



US Department of Transportation  
Federal Aviation Administration

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

Form Approved  
OMB No. 2120-0020

**For FAA Use Only**

Office Identification

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

1. Aircraft	Make CESSNA	Model 501
	Serial No. 501-0184	Nationality and Registration Mark N318DN
2. Owner	Name (As shown on registration certificate) REULAND ELECTRIC CO.	Address (As shown on registration certificate) 17969 RAILROAD ST CITY OF INDUSTRY, CA 91748

**3: For FAA Use Only**

**4. Unit Identification**

**5. Type**

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

**6. Conformity Statement**

A. Agency's Name and Address Paul A. Nyenhuis Aviation Inspection & Repair, Inc. 18928-59th Dr NE Arlington, WA 98223-7834	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. 1595544
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 3/23/2007	Signature of Authorized Individual 
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**7. Approval for Return To Service**

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

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 3/23/2007	Certificate or Designation No. 1595544	Signature of Authorized Individual 		

NOTICE

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

8. Description of Work Accomplished

INSTALLED FAA TSO-C71 KGS ELECTRONICS MODEL RG28 DC TO DC CONVERTER 28Vdc TO 14 Vdc/20 AMPS PER KGS ELECTRONICS REMOVAL/INSTALLATION MANUAL, DWG. NO. 183806 REV C, DATED DEC 20, 2005, AND AC43-13-2A, CHAPTER 2, SECTION 24, "OTHER MOUNTING AREAS," PARAGRAPH B, "RIGID-MOUNTED UNIT BASE," FIG 25.

CIRCUIT PROTECTION AND WIRE SIZE PER REMOVAL/INSTALLATION MANUAL.

UNIT IS MOUNTED AT STA 270, LEFT SIDE ON FLOOR IN PROTECTED BOX.

CONTINUOUS AIRWORTHINESS OF UNIT WILL BE MAINTAINED IN ACCORDANCE WITH THE INSTALLATION MANUAL.

THIS UNIT IS INCLUDED ON EQUIPMENT LIST AND NEW WEIGHT AND BALANCE WAS CALCULATED.

———— THE 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

*WP-25 LLZ*

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 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).

<b>1. Aircraft</b>	Make <b>Cessna</b>	Model <b>501</b>
	Serial No. <b>501-0184</b>	Nationality and Registration Mark <b>N433MM</b>
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Reuland Electric Co</b>	Address (As shown on registration certificate) <b>17969 E Railroad St Industry CA 91749</b>

**3. For FAA Use Only**  
The data / information identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43.7.

**MAY 14 2002**

Date

*[Signature]*  
**Larry L. Zloczewski**

Assistant Principal Aviation Inspector WP/PSDO-25

**4. Unit Identification**

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

### 6. Conformity Statement

<b>A. Agency's Name and Address</b>	<b>B. Kind of Agency</b>	<b>C. Certificate No.</b>
Cessna Aircraft Company Sacramento Citation Service Center 5850 Citation Way Sacramento, CA 95837	<input type="checkbox"/> U.S. Certified Mechanic	CNQ4918C
	<input type="checkbox"/> Foreign Certified Mechanic	Radio Class 1, 2 & 3
	<input checked="" type="checkbox"/> Certificated Repair Station	Limited Instrument
	<input type="checkbox"/> Manufacturer	Limited Airframe

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 <b>5-14-02</b>	Signature of Authorized Individual <i>[Signature]</i> <b>Michael D. O'Kane</b>
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### 7. Approval for Return to Service

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

BY	FAA Flt. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection <b>5/15/02</b>	Certificate or Designation No. <b>CNQ4918C</b>	Signature of Authorized Individual <i>[Signature]</i> <b>Lawrence J. Taylor</b>
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**NOTICE**

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

**B. Description of Work Accomplished**

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

**CESSNA/CITATION**

N433MM  
501-184

Date: 5-14-02  
T.T. 7347.0

This is to document and certify a previously installed Honeywell KLN-90B global positioning system. The system was installed by unknown on an unknown date. A conformity inspection was performed to verify structural integrity, acceptable practices and materials, and that the operational performance meets approved data. GPS installed as a follow on to STC SA00241W1-D.

This system is limited to IFR use for en-route, terminal and non-precision approach.

The following publications and documents were referenced for review of this installation:

- The Honeywell KLN-90B Installation Manual, #006-10521-0004, rev. 4, dated 10/97.
- The FAA advisory circulars AC43-13-1B, AC43-13-2A (chapters 1,2 & 3), AC20-138.
- The Cessna 501 Maintenance and Wiring Diagram Manual standard practices chapters.
- The GPS antenna was installed above the cockpit per Cessna Engineering drawing # 9623023.

**Installed Equipment**

	<u>MODEL</u>	<u>TSO</u>	<u>LOCATION</u>
KLN-90B Receiver	066-04031-1421	C-129 (A1)	F.S. 100.64
KA-91 Antenna	071-01545-0200	C-129	F.S. 145.20
Nav/GPS Source Selector	97-10344A-28	PMA	F.S. 104.64

FAA approved Flight Manual Supplement Dated **MAY 14 2002** was installed into the Aircraft Flight Manual and must be readily available to the crew when system is in use.

A KLN-90B pilots guide P/N 006-08773-0000, rev 1, dated 05/97, is aboard the aircraft and must be accessible to the flight crew during use.

Completed ground operational tests with satisfactory results I.A.W. manufacturers installation checkout procedures.

Performed VHF Comm harmonic interference test per A.C. 20-138 requirements with no interference noted.

Electrical load analysis was performed and determined that load does not exceed 80% of the generators maximum continuous operating capacity per the approved Flight Manual.

The equipment list has been amended and the aircraft has been reweighed.

The KLN-90B is not to be used for navigation until a functional flight evaluation has been accomplished.

Instructions for continuous airworthiness requires visual inspection and operational test IAW manufacturers recommendations and FAR Part 43, appendix D, every Phase 1 inspection (24 calendar months or 300hrs).

**END**

Functional flight evaluation performed on 2/7/03

SAN ANTONIO CITATION SERVICE CENTER

By CRS # CNQ 5918C for Sacramento Citation CRS# CNQ4918C

*James J. Taylor*

Additional Sheets Are Attached

# FLIGHT TEST REPORT

Flight Data Evaluation for IFR nonprecision approach approval.

Equipment Mfg. Allied Signal

GPS Model KLN-90B

Serial Number X2218

Software Rev. 21/10

A/C Model CITATION I

A/C Serial Number 501-0184 Reg. N433MM

All flights were flown at 130kts I.A.S. 100' AGL per AC 20-130A.

*P=Pass F=Fail N/A= not applicable*

- A. P Evaluate all operating modes of the equipment.
- B. P Examine interface of the other equipment.
- C. P Review failure modes and associated annunciations.
- D. P Evaluate steering response with autopilot coupled.
- E. P Evaluate instrument interface with HSI, CDI, etc.
- F. P Assess all switching and transfer functions including high power electrical loads and electrical bus switching.
- G. P Evaluate EMI & RFI on VHF frequencies 121.15, 121.17, 121.20, 131.25, 131.27 and 131.3
- H. P Evaluate accessibility of equipment controls.
- I. P Evaluation of visibility of displays and annunciators. No distracting glare or reflections.
- J. P Analysis of crew workload.
- K. P Accuracy should be verified by conducting at least 3 (three) low-level overflights of published runway thresholds.

	Reference coordinates		Actual	Error	
KSAT-30L	N29-31.63	W098-27.93	N29-31.62	W098-27.92	.02
KSAT-30L	N29-31.63	W098-27.93	N29-31.63	W098-27.92	.01
KSAT-30L	N29-31.63	W098-27.93	N29-31.62	W098-27.91	.03

Maximum recorded error .03

M. P Verify continuity of navigation data during normal aircraft maneuvers, including 30 degree bank turns for one minute.

M. P For equipment approved for approach, conduct at least 3(three) published instrument approaches (retrieved from the data base to verify proper operation).

Approaches accomplished at:

#1 KSAT-30L Results: Passed

#2 KSAT-30L Results: Passed

#3 KSAT-30L Results: Passed

I certify that the above recorded test flight information is correct and that the GPS equipment, as installed meets the above listed performance information.

Signature Douglas J. Collins Cert. No. CRS #CNQ5918C Date: 2-07-03



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

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

*WP-25 JTC*

**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).

<b>1. Aircraft</b>	Make <b>Cessna</b>	Model <b>501</b>
	Serial No. <b>501-0184</b>	Nationality and Registration Mark <b>N90CF</b>
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Reuland Electric Co.</b>	Address (As shown on registration certificate) <b>17969 E. Railroad St. Industry, CA. 91749</b>

**3. For FAA Use Only**

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

**6. Conformity Statement**

<b>A. Agency's Name and Address</b>	<b>B. Kind of Agency</b>	<b>C. Certificate No.</b>
Cessna Aircraft Company Sacramento Citation Service Center 5850 Citation Way Sacramento, CA 95837	<input type="checkbox"/> U.S. Certified Mechanic	NE3R707L
	<input type="checkbox"/> Foreign Certified Mechanic	Radio Class 1, 2 & 3
	<input checked="" type="checkbox"/> Certificated Repair Station	Limited Instrument
	<input type="checkbox"/> Manufacturer	Limited Airframe

Date <b>07/28/98</b>	Signature of Authorized Individual <i>Lawrence J. Taylor</i> Lawrence J. Taylor
-------------------------	---

**7. Approval for Return to Service**

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

BY	FAA Fit Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <b>07/28/98</b>		Certificate or Designation No. <b>NE3R707L</b>	Signature of Authorized Individual <i>Lawrence J. Taylor</i> Lawrence J. Taylor	



**NOTICE**

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

**B. Description of Work Accomplished**

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

N90CF  
501-0184

CESSNA/CITATION

Date: 07/28/98  
A/C T.T. 6381.1

Installed Keith Products, Inc. gear horn silence switch IAW KP1579 installation instructions dated 01/03/79, and drawing KP1479 dated 01/03/79 which are supplied with STC SA2916SW, reissue date: 08-14-92. Installed in forward side of pilot's control yoke per instructions; weight change negligible.

End

Additional Sheets Are Attached

RECEIVED

PRA



US Department of Transportation  
Federal Aviation Administration

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

JUL 02 1998

Form Approved

OMB No. 2120-0020

For FAA Use Only

Office Identification

SEA-FSDO

PRY

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

1. Aircraft	Make	CESSNA	Model	501
	Serial No.	501-184	Nationality and Registration Mark	USA N90CF
2. Owner	Name (As shown on registration certificate)		Address (As shown on registration certificate)	
	REULAND ELECTRIC		17969 EAST RAILROAD STREET CITY OF INDUSTRY, CA. 91748	

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 FAR Part 43, Section 43.7.

6/14/98  
Date

*[Signature]*  
Signature FAA Inspector, NM FSDO 01

4. Unit Identification

5. Type

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

6. Conformity Statement

A. Agency's Name and Address AMERICAN AVIONICS INC. 7023 PERIMETER ROAD SOUTH BOEING FIELD SEATTLE, WA. 98108	B. Kind of Agency		C. Certificate No. GE6R558N RADIO 1,2,3 INSTR 1,2,3,4 ACC 2,3 LIMITED OTHER
	<input type="checkbox"/>	U.S. Certificated Mechanic	
	<input type="checkbox"/>	Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/>	Certified Repair Station	
	<input type="checkbox"/>	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  
6/30/98

Signature of Authorized Individual

7. Approval for Return To Service

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

BY	FAA Fit Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 6/30/98		Certificate or Designation No. GE6R558N	Signature of Authorized Individual <i>[Signature]</i>	

**NOTICE**

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

**8. Description of Work Accomplished**

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

**Magnastar C-2000 Digital Airborne Telephone Installation**

Installed Magnastar C-2000 system consisting of the following components:

1ea 724855-801	ARTU
1ea 724868-802	ARTU tray
1ea 620317-2	Duplexer
1ea 902131-2	Antenna
2ea 725729-805WH	Handset
2ea 724864-801	CDBR-1
1ea 725256-801	CAS

Magnastar C-2000 Interface Control Document p/n: 481568 REV H is referenced.

All parts, materials and practices are per Magnastar installation data, AC43.13.1A Chapters C11 & C15 and AC43.13.2A Chapters C2 & C3. American Avionics drawings 1 thru 4 for Citation 501, N90CF s/n: 501-184 are referenced.

All power is supplied thru breakers and does not exceed the load capability of the electrical system.

The installation complies with guidance contained within AC25-10 for installation of nonrequired electrical equipment.


The structural mounting of the units are sufficient to ensure the restraint of the equipment when subject to emergency landing loads per AC43.13-2A chapter 1, paragraph 1,2 and 3.

The C-2000 system is PMA'd. This installation is considered a follow-on based on STC ST00264DE-D.

The C-2000 Interface Control Document and AAI drawings 1-4 are supplied as instructions for continued airworthiness.

\*\*\*\*\*END\*\*\*\*\*

Additional Sheets are Attached

		<b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 For FAA Use Only	
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and FAR 43.9-1 for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421) for subsequent revision thereof) for instructions for each such violation (Section 901 Federal Aviation Act of 1958). Failure to register a repair or alteration may result in a civil penalty not to exceed \$1,000.					
1. Aircraft		Make <b>CESSNA</b>	Model <b>501</b>	Office Identification <b>WP05</b>	
		Serial No. <b>501-184</b>	Nationality and Registration Mark <b>N90CF</b>		
2. Owner			Address (As shown on registration certificate)		
Name (As shown on registration certificate) <b>REULAND ELECTRIC CO.</b>			<b>17969 E. RAILROAD ST. CITY OF INDUSTRY, CA. 91749</b>		
3. For FAA Use Only					
The data identified herein complies with applicable airworthiness requirements and is approved only for above described aircraft subject to conformity inspection by a person authorized in FAR 43.7.					
FAA INSPECTOR, <b>WP05</b> <i>Rouka</i> DATE <b>2-23-95</b>					
4. Unit Identification					
Unit	Make	Model	Serial No.	5. Type	
				Repair	Alteration
AIRFRAME	----- (As described in Item 1 above) -----				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				
6. Conformity Statement					
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
<b>DUNCAN AVIATION INC.</b> <b>DUNCAN AVIONICS</b> <b>19300 IKE JONES RD.</b> <b>SANTA ANA, CA. 92707</b>		<input type="checkbox"/> U.S. Certificated Mechanic		JG08194F	
		<input type="checkbox"/> Foreign Certificated Mechanic		RADIO 1, 2 & 3	
		<input checked="" type="checkbox"/> Certificated Repair Station		SPECIALIZED SVC.	
		<input type="checkbox"/> Manufacturer		LTD. INSTRUMENT	
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 <b>2/23/95</b>		Signature of Authorized Individual <i>Paul Law</i>			
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 <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY:	<input type="checkbox"/> FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)	
	<input checked="" type="checkbox"/> FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection <b>2/23/95</b>		Certificate or Designation No. <b>JG08194F</b>	Signature of Authorized Individual <i>Paul Law</i>		

**NOTICE**

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

**8. Description of Work Accomplished**

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

**INSTALLED:**

BENDIX/KING	KLN-90A	GPS TSO	S#11975
	GPS ANT	GPS ANT	S#8529
	NAV/GPS	SWITCH	S# N/A
	MSG/WPT	ANNUN	S# N/A
NAT	RS08-350	TRANS UNIT	S#13140

PER MANUFACTURERS FAA APPROVED INSTALLATION DATA.  
 STC SA2332CE-D, TSO-C129, BENDIX/KING PART # 006-10501-0000,  
 REV 0, 09-16-93. AND REF TYPE CERTIFICATE INSTALLATION IN A  
 CESSNA CITATION 525.

POWER IS OBTAINED THROUGH AVIONICS BUS W/ 3AMP CURCUIT BREAKER  
 LABLED "GPS".

ALL INSTALLATION WORK DONE IN ACCORDANCE WITH FAA AC 43.13-1A,  
 AND ADVISORY CIRCULAR #20-138.

GPS WAS INTERCONNECTED WITH HSI, FD/AUTOPILOT AND MODE C  
 ENCODER LINES, FOR 3-D NAVIGATION, BUT INTERCONNECTS WITH NO  
 OTHER AIRCRAFT SYSTEM AND DOES NOT INTERFERE WITH THE OPERATION  
 OF ANY AIRCRAFT SYSTEM.

AN OPERATIONAL FLIGHT AND GROUND CHECKS WERE PERFORMED PER AC  
 20-138, APPDX 1(2)(d), TSO-C129 AND MANUFACTURERS APPROVED  
 SPECIFICATION.

THE NOTED SYSTEMS WERE FOUND NOT TO INTERFERE WITH NORMAL  
 OPERATION OF OTHER EQUIPMENT INSTALLED IN THIS AIRCRAFT.

DUNCAN AVIONICS KLN-90A AIRPLANE FLIGHT MANUAL SUPPLEMENT DOC  
 NO. TBICA-01, WAS PROVIDED. DATED: 2-23-95


THE INSTALLATION CONFORMS TO ACCEPTABLE METHODS, TECHNIQUES,  
 AND PRACTICES CONTAINED IN AC 43.13 1-A and 2A and FAR 23.1301,  
 23.1303, 23.1309, 23.1327, 23.1331, 23.1357, 23.1365, 23.1367,  
 23.1431, 145.59, STC SA2332CE-D AND TSO-C129.

WEIGHT AND BALANCE CHANGES WERE MADE AND ENTERED IN THE FLIGHT  
 MANUAL.

ALL THE WORK WAS ACCOMPLISHED AT DUNCAN AVIONICS/DUNCAN  
 AVIATION INC. WO# TBICA

-----END-----

Additional Sheets Are Attached

 US Department of Transportation Federal Aviation Administration		<b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 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).					
1. Aircraft	Make	CESSNA	Model	501	
	Serial No.	501-184	Nationality and Registration Mark	N90CF	
2. Owner	Name (As shown on registration certificate): REULAND ELECTRIC CO.		Address (As shown on registration certificate): 17969 E. RAILROAD ST. CITY OF INDUSTRY, CA. 91749		
	3. For FAA Use Only				
4. Unit Identification					
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				
5. Type					
6. Conformity Statement					
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
DUNCAN AVIATION INC. DUNCAN AVIONICS 19300 IKE JONES RD. SANTA ANA, CA 92707		U.S. Certificated Mechanic		JGV8194F	
		Foreign Certificated Mechanic		RADIO 1, 2 & 3	
		<input checked="" type="checkbox"/> Certificated Repair Station		SPECIALIZED SVC.	
		Manufacturer		LTD. INSTRUMENT	
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			
8-9-94		<i>Richard L. Bohm</i>			
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 <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)	
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection		Certificate or Designation No.	Signature of Authorized Individual		
8-9-94		JGV8194F	<i>Richard L. Bohm</i>		

**NOTICE**

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

**8. Description of Work Accomplished**

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

REMOVED:			
COLLINS	CDU-85	CONTROL UNIT	S#081
	AEU-85	ACC UNIT	S#035
	CRU-85	COMPUTER UNIT	S#035
	277200-203	CDI	S#482
BVR INC			
INSTALLED:			
BENDIX/KING	KLN-90A	GPS TSO	S#11975
	GPS ANT	GPS ANT	S#8529
NAT	RS08-350	TRANS UNIT	S#13140

PER MANUFACTURERS FAA APPROVED INSTALLATION DATA.

STC SA2332CE-D AND TSO-C129,

BENDIX/KING PART # 006-10501-0000, REV 0, 09-16-93.

POWER IS OBTAINED THROUGH AVIONICS BUS W/ 3AMP CURCUIT BREAKER LABLED "GPS".

ALL INSTALATION WORK DONE IN ACCORDANCE WITH FAA AC 43.13-1A, FAA NOTICE N 8110.47 AND ADVISORY CIRCULAR #20-121A.

A "GPS NOT APPROVED FOR IFR." PLACARD WAS PLACED IN AIRCRAFT.

GPS WAS INTERCONNECTED WITH HSI, FD/AUTOPILOT AND MODE C ENCODER LINES, FOR 3-D NAVIGATION, BUT INTERCONNECTS WITH NO OTHER AIRCRAFT SYSTEM AND DOES NOT INTERFERE WITH THE OPERATION OF ANY AIRCRAFT SYSTEM.

AN OPERATIONAL GROUND CHECK WAS MADE PER MANUFACTURERS SPECIFICATION AND THE NOTED SYSTEMS WERE FOUND NOT TO INTERFERE WITH NORMAL OPERATION OF OTHER EQUIPMENT INSTALLED IN THIS AIRCRAFT.

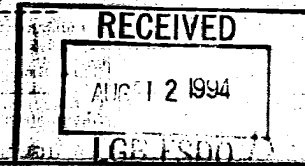
SYSTEM MANUALS WERE PROVIDED AND LOG BOOK ENTRY MADE.

THE INSTALLATION CONFORMS TO ACCEPTABLE METHODS, TECHNIQUES, AND PRACTICES CONTAINED IN AC 43.13 1-A and 2A and FAR 23.1301, 23.1303, 23.1309, 23.1327, 23.1331, 23.1357, 23.1365, 23.1367, 23.1431, 145.59, STC SA2332CE-D AND TSO-C129.


WEIGHT AND BALANCE CHANGES WERE MADE AND ENTERED IN THE FLIGHT MANUAL.

ALL THE WORK WAS ACCOMPLISHED AT DUNCAN AVIONICS/DUNCAN AVIATION INC. WO# TB1CA

-----END-----



Additional Sheets Are Attached

 RECEIVED AUG 25 1993 MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 For FAA Use Only Office Identification WPOS			
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 90T Federal Aviation Act of 1958):					
1. Aircraft	Make Cessna	Model 501			
	Serial No. 501-0184	Nationality and Registration Mark N90CF			
2. Owner	Name (As shown on registration certificate) Reuland Electric Company	Address (As shown on registration certificate) 17969 East Railroad St. City of Industry, CA 91749			
	3. For FAA Use Only The data identified herein complies with applicable airworthiness requirements and is approved only for the above described aircraft, subject to the conformity inspection by a person authorized in F.A.R. Part 43, Section 43.7 L68 FSDO - B Date 8-16-93 Signed: <i>[Signature]</i>				
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				
6. Conformity Statement					
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Robert H. Lee 4500 Campus Dr. Suite 202 Newport Beach, CA 92660		<input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer		227746064	
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Date 7-26-93		Signature of Authorized Individual Robert H. Lee <i>[Signature]</i>			
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 <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA Fit Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)	
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection 8-17-93		Certificate or Designation No. 1731176	Signature of Authorized Individual GREG O'HAGEN <i>[Signature]</i>		



**NOTICE**

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

**8. Description of Work Accomplished**  
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed Fairchild model GA100 Cockpit Voice Recorder System for compliance with FAR 135.151 (a) and (b). This system consists of the following components:

1. Cockpit Voice Recorder P/N GA100-0000
2. Control Panel P/N 191-E0044-01
3. Area Microphone P/N 93-A055-95
4. CVR Mounting Tray P/N 9300-343
5. Impact Switch P/N 28DCL6Z300
6. CVR Audio Mixer P/N 5020-1-1

The system is installed in accordance with Fairchild Installation Manual P/N FAR 04229004 PM #2, Revision 2, Dated January 27, 1993, Avtech 5020-1-1 Installation Manual Revision 1, Dated May 4, 1990, Aerodyne Control Environmentally Sealed Impact Switch Drawing 6895 Revision L, Dated April 4, 1990, and practices outlined in AC43.131A, Chapters 5, 11, 15, and AC43.132A, Chapters 2, 3, 13.

The Cockpit Voice Recorder P/N GA100-0000 is mounted on the Mounting Tray P/N 9300-343 at Fuselage Station 449.5 in the aft fuselage, on a locally manufactured shelf built from 2024-T3 aluminum sheet and standard AN hardware. See attached DER 8110-3 reports regarding structural integrity of the installation.

The Impact Switch P/N 28DCL6Z300 is mounted at Fuselage Station 449.5 on the above shelf using standard AN hardware.

The Area Microphone P/N 93-A055-95 is mounted at Fuselage Station 106.8 on the underside center forward edge of the Glareshield using standard AN hardware. Installation is within the recommended locations identified within FAA Advisory Circular 25.1457-1A.

The CVR Control Panel P/N 191-E0044-01 is mounted at Fuselage Station 97.3 at the lower center of the co-pilot instrument panel using standard AN hardware.

The CVR Audio Mixer P/N 5020-1-1 is mounted at Fuselage Station 122.5 behind the upholstery trim panel on the co-pilot side of the aircraft, using standard AN hardware. The CVR and Audio Mixer interface wiring diagrams are attached.

To meet current FAA requirements, the Fairchild model GA100-0000 CVR has been configured to record the first pilot and cockpit area mics onto the inner two tracks, and has been wired as such according to the Fairchild Installation Manual P/N FAR 04229004 PM #2 Revision 2, Page 19 Figure 5.

The aircraft weight and balance and equipment list has been updated and revised. The revised data is located in the Aircraft Flight Manual.

Additional Sheets Are Attached

Cessna 501 N90CF  
July 26, 1993

Verified Cockpit Voice Recorder system installation to be in compliance with FAR 25.1457.

The procedure for operating, preflight testing and a description of the system is contained in the Fairchild Operating Instructions P/N FAR 04229004 PM #2, this information must be aboard the aircraft during all flight operations.

Inspection and maintenance of the Fairchild GA100 CVR System must be complied with in accordance with manufacturers instructions outlined in Fairchild Installations and Operating Instructions Manual P/N FAR 04229004 PM #2 Revision 2, or an inspection program appropriate to the FAR under which the aircraft will be operated.

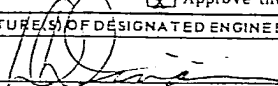
An outline of the procedure used for flight and ground testing and evaluation of the CVR installation is contained in Fairchild Installation and Operating Instructions Manual P/N FAR 04229004 PM #2 Revision 2, Section 2.7, page 7 & 8, paragraph A thru H, Section 3.1, page 8 & 9, and Section 3.2, page 9. The testing described has established the clarity of voice communications recorded via the cockpit, pilot and co-pilot microphones under normal and greater than normal cockpit noise.

There are no deviations from CVR or aircraft manufacturers instructions. Field approval of the original data becomes void on installations incorporating deviations not listed on this form. Deviations not listed require resubmission of data.

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NOTHING FOLLOWS

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U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			July 14, 1993
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, etc.)	NAME OF APPLICANT
Cessna	501	Airplane	WEST COAST CHARTERS
IDENTIFICATION		LIST OF DATA	
		TITLE	
		WCC-1	
Consulting Aerospace Engineers, Inc. Report: WCC-1 Dated 7/14/93 Revision New		"Structural Substantiation Of A Shelf For A CVR In A Cessna Citation 501" S/N C501-0184	
		<u>STRUCTURAL APPROVAL ONLY</u>	
/			
PURPOSE OF DATA To provide structural substantiation for a Cockpit Voice Recorder.			
APPLICABLE REQUIREMENTS (List specific sections)			
Part 25.301, 25.303, 25.305, 25.307, 25.603, 25.605, 25.607, 25.613, 25.625, 25.561, 25.615			
CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation Regulations, data listed above and on attached sheets numbered <u>None</u> have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
I <input checked="" type="checkbox"/> Therefore <input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)		DESIGNATION NUMBER(S)	CLASSIFICATION(S)
		NM 1648	Structures/Management Systems & Equipment
Don Dirian			

Form Approved  
Budget Bureau No. 04-R060.1  
FOR FAA USE ONLY  
OFFICE IDENTIFICATION: ICT FSDO-07  
Wichita, Kansas 1188

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
**MAJOR REPAIR AND ALTERATION**  
(Airframe, Powerplant, Propeller, or Appliance)

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.

1. AIRCRAFT	MAKE	CESSNA	MODEL	501
	SERIAL NO.	501-0184	NATIONALITY AND REGISTRATION MARK N90CF	
2. OWNER	NAME (As shown on registration certificate)		ADDRESS (As shown on registration certificate)	
	K and S Aviation		4500 Campus Drive, Suite 202 Newport Beach, CA 92660	

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION				5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1. above) *****				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
John Phillips Rt. 1, Box 52Y Mound Valley, KS 67354	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC <input type="checkbox"/> CERTIFICATED REPAIR STATION <input type="checkbox"/> MANUFACTURER	523783139
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: 06/15/91  
SIGNATURE OF AUTHORIZED INDIVIDUAL: *[Signature]*

7. APPROVAL FOR RETURN TO SERVICE

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

BY:	FAA RT. STANDARDS INSPECTOR	MANUFACTURER	X	INSPECTION AUTHORIZATION	OTHER (S. 43.9)	RECEIVED JUN 18 1991
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT		
DATE OF APPROVAL OR REJECTION	06/15/91	CERTIFICATE OR DESIGNATION NO.	523783139	SIGNATURE OF AUTHORIZED INDIVIDUAL: <i>[Signature]</i>		ICT FSDO Wichita, Kansas (8320)

**NOTICE**

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

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

06/15/91 N90CF

Installed King Aire Extended Tailcone Baggage Compartment per SPC No. SA2572CE.  
Revised Weight & Balance and added Flight Manual Supplement.

END

APPROVED  
/S/ [Signature]

ADDITIONAL SHEETS ARE ATTACHED

RECEIVED

DEC 08 1989

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				LGB FSDO	
<b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)				Form Approved Budget Bureau No. 104-R060.1 FOR FAA USE ONLY OFFICE IDENTIFICATION <b>LGB FSDO</b>	
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.					
1. AIRCRAFT	MAKE	Cessna	MODEL	501	
	SERIAL NO.	501-0184	NATIONALITY AND REGISTRATION MARK	N90CF	
2. OWNER	NAME (As shown on registration certificate) Orange Co. Food Service		ADDRESS (As shown on registration certificate) 3071 E. Maraloma Anaheim, Ca 92806		
	3. FOR FAA USE ONLY				
4. UNIT IDENTIFICATION					5. TYPE
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				
6. CONFORMITY STATEMENT					
A. AGENCY'S NAME AND ADDRESS			B. KIND OF AGENCY		C. CERTIFICATE NO.
Continental Avionics Inc. 361 Paularino Ave. Costa Mesa, Ca 92626			U.S. CERTIFICATED MECHANIC		AC4R045M Radio 1,2,3 Ltd. Inst.
			FOREIGN CERTIFICATED MECHANIC		
			<input checked="" type="checkbox"/> CERTIFICATED REPAIR STATION		
			MANUFACTURER		
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
DATE 8/9/89		SIGNATURE OF AUTHORIZED INDIVIDUAL Dean T. Spillman <i>Dean T. Spillman</i>			
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 <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION		OTHER (Specify)
	FAA DESIGNEE	<input checked="" type="checkbox"/> REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT		
DATE OF APPROVAL OR REJECTION 8/9/89		CERTIFICATE OR DESIGNATION NO. AC4R045M		SIGNATURE OF AUTHORIZED INDIVIDUAL Dean T. Spillman <i>Dean T. Spillman</i>	

**NOTICE**

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

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

Installed 3M Stormscope System WX 1000+. This System was installed per manufacturers installation Instructions and AC 43.13-1A Chapters 11, 15 and AC 43.13-2A Chapters 2, 3, 13. Weight and Balance and Equip. List updated and Revised.

\*\*\*\*\*NOTHING FOLLOWS\*\*\*\*\*

ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION <b>MAJOR REPAIR AND ALTERATION</b> (Airframe, Powerplant, Propeller, or Appliance)				Form Approved Budget Bureau No. 04-R060.1 FOR FAA USE OF-LY OFFICE IDENTIFICATION WP FSDO-65		
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.						
1. AIRCRAFT	MAKE	CESSNA		MODEL	501	
	SERIAL NO.	501-0184		NATIONALITY AND REGISTRATION MARK	USA N90CF	
2. OWNER	NAME (As shown on registration certificate)			ADDRESS (As shown on registration certificate)		
	KARAGINES, PETER JR. SIGALOS, ANTHONY			3071 HIRA LOMA ANAHEIM, CA 92806		
3. FOR FAA USE ONLY						
The <i>DATA</i> identified herein complies with applicable airworthiness requirements and is approved only for the above described aircraft, subject to the conformity inspection by a person authorized by F.A.R. Part 43, Section 43.7. WE FSDO-65 Date: 12-24-81 Signed: <i>Carl D. Bulth</i>						
4. UNIT IDENTIFICATION					5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION	
AIRFRAME	***** (As described in item 1 above) *****				XXX	
POWERPLANT						
PROPELLER						
APPLIANCE	TYPE					
	MANUFACTURER					
6. CONFORMITY STATEMENT						
A. AGENCY'S NAME AND ADDRESS			B. KIND OF AGENCY		C. CERTIFICATE NO.	
AIRADIO CO., INC. 18741 N. AIRPORT WAY SANTA ANA, CA 92707			U.S. CERTIFICATED MECHANIC		FAA ARS #4478 R1,2,3; INTS LTD AIRFRAME LTD	
			FOREIGN CERTIFICATED MECHANIC			
			XX CERTIFICATED REPAIR STATION			
			MANUFACTURER			
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.						
DATE			SIGNATURE OF AUTHORIZED INDIVIDUAL			
DECEMBER 24, 1981			<i>Larry E. Olson</i> LARRY E. OLSON			
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 <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED						
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION			
	FAA DESIGNEE	XX REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT			
DATE OF APPROVAL OR REJECTION		CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL			
DEC 24, 1981		ARS #4478	<i>Larry E. Olson</i> LARRY E. OLSON			



**NOTICE**

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

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

**INSTALLATION OF COLLINS LRN-85 SYSTEM COMPONENTS.**

**DESCRIPTION OF EQUIPMENT INSTALLED:**  
COLLINS CDU-85 CONTROL DISPLAY UNIT  
COLLINS CRU-85 COMPUTER RECEIVER UNIT  
COLLINS AEU-85 AUXILIARY EQUIPMENT UNIT  
COLLINS ACH-85 ANTENNA COUPLER, H FIELD  
COLLINS ANC-85 ANTENNA, H FIELD

ABOVE EQUIPMENT INSTALLED IN ACCORDANCE WITH COLLINS INSTALLATION MANUAL NO. 523-0770599-00211A & 523-0770601-002118 DATED 15 APRIL 1981.

THE ABOVE LISTED INCOMPLETE/PIECEMEAL INSTALLATION OF COLLINS LRN-85 VLF/OMEGA NAVIGATION SYSTEM HAS BEEN MADE PENDING FAA ENGINEERING AND FLIGHT TEST IN ACCORDANCE WITH ADVISORY CIRCULAR 20-101B, SECTION 3a,b,c,.

FINAL APPROVAL OF THE SYSTEM WILL BE MADE AT THIS TIME.

EQUIPMENT HAS BEEN MADE INOPERATIVE AND PLACARDED,  
" NOT TO BE USED UNTIL CERTIFIED "

\*\*\*\*\* NOTHING FOLLOWS \*\*\*\*\*

ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORT  
**CERTIFICATE OF AIRWORTHINESS  
 FOR EXPORT**



MINISTÈRE DES TRANSPORTS  
**CERTIFICAT DE NAVIGABILITÉ  
 POUR EXPORTATION**

Number  
 Numéro ULX-12684

The Department of Transport, Canada, having regard to the Reports furnished to it, issues this Certificate of Airworthiness for Export in respect of the Aircraft/Engine identified below and more particularly described in the type approval\* and specifications in accordance with the Aeronautics Act, Canada, and the Orders in Council in force thereunder.

Le Ministère des Transports du Canada, prenant connaissance des rapports qui lui ont été soumis, délivre le présent certificat de navigabilité pour exportation pour l'aéronef/moteur mentionné ci-dessous et plus particulièrement décrit dans l'homologation de type\* et les spécifications conformément à la Loi sur l'aéronautique du Canada, et les ordonnances du conseil en vigueur de son fait.

For export to:  
 Pour exportation à: UNITED STATES OF AMERICA

Prod. et is:  
 Appareil:  New Neuf  Used Usagé

Aircraft Manufacturer: Constructeur de l'aéronef:	N/A
Aircraft Model: Modèle de l'aéronef:	N/A
Aircraft Serial No. No de série de l'aéronef:	N/A
Type Approval No.* No d'homologation de type:	E-11
Engine Manufacturer: Constructeur du moteur:	Pratt & Whitney Aircraft of Canada Ltd
Engine Model: Modèle du moteur:	JT15D-1A
Engine Serial No.(s): No(s) de série du(des) moteur(s):	PCE-77263

Exceptions:

Remarks Observations:

Engine meets U.S. Type Certificate Data Sheet No. E25EA and is in condition for safe operation and has been subjected by the manufacturer to a final operational check.

Dated at  
 Date à Montreal, Quebec

This  
 Le 5TH Day of JANUARY 1981

For: Minister of Transport - Ministre des Transports

\* Copies of the applicable Type Approval are available on request from the Department of Transport, Ottawa, K1A 0N8, Canada.  
 28-0037 (7-74)

\* Copies d'homologation de type sont disponibles sur demande au Ministère des Transports, Ottawa, K1A 0N8 Canada.  
 US AA20 (80)



DEPARTMENT OF TRANSPORT  
 CERTIFICATE OF AIRWORTHINESS  
 FOR EXPORT



MINISTÈRE DES TRANSPORTS  
 CERTIFICAT DE NAVIGABILITÉ  
 POUR EXPORTATION

Number  
 Numéro ULX-9495

The Department of Transport, Canada, having regard to the Reports furnished to it, issues this Certificate of Airworthiness for Export in respect of the Aircraft/Engine identified below and more particularly described in the type appraisal and specifications in accordance with the Aeronautics Act, Canada, and the Orders in Council in force thereunder.

Le Ministère des Transports du Canada, prenant connaissance des rapports qui lui ont été soumis, délivre le présent certificat de navigabilité pour exportation pour l'aéronef/moteur mentionné ci-dessous et plus particulièrement décrit dans l'homologation de type et les spécifications conformément à la Loi sur l'aéronautique du Canada, et les ordonnances du conseil en vigueur de son fait.

For export to: UNITED STATES OF AMERICA  
 Pour exportation à: Product is:  New  Used  
 Appareil:  Neuf  Usagé

Aircraft Manufacturer: Constructeur de l'aéronef:	N/A
Aircraft Model: Modèle de l'aéronef:	N/A
Aircraft Serial No. No de série de l'aéronef:	N/A
Type Appraisal No. No d'homologation de type:	E-11
Engine Manufacturer: Constructeur du moteur:	Pratt & Whitney Aircraft of Canada Ltd
Engine Model: Modèle du moteur:	JT15D-1A
Engine Serial No.(s): No(s) de série du(dea) moteur(s):	PCE-77129

Exceptions:

Remarks: Observations:

The engine covered by this Certificate has been examined and found to comply with U.S. Federal Aviation Regulations, Part 33, Amendment 1 effective February 1st, 1965; Amendment 2 effective July 6, 1966; and Amendment 3 effective April 3, 1967; and Advisory Circulars AC 33-1A and 33-3.



Dated at Montreal, Quebec  
 Daté à

This 30th Day of July 1979  
 Le 30th jour de July 1979

*Wagner*  
 Minister of Transport - Ministre des Transports

\* Copies of the applicable Type Appraisal are available on request from the Department of Transport, Ottawa, K1A 0N8, Canada.  
 26-0027 (7-74)

\* Copies d'homologation de type sont disponibles sur demande au Ministère des Transports, Ottawa, K1A 0N8 Canada.  
 QCAR-A20(78)