



US Department of Transportation  
Federal Aviation Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

<b>1. Aircraft</b>	Nationality and Registration Mark <b>USA N2282D</b>	Serial No. <b>20434</b>		
	Make <b>Cessna</b>	Model <b>170B</b>	Series	
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Perlman, Nathaniel H</b>		Address (As shown on registration certificate) <b>18002 Lipoma Firs E Unit A101</b>	
			City <b>Puyallup</b>	State <b>WA</b>
			Zip <b>98374</b>	Country <b>USA</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	<u>Cessna</u>	(As described in Item 1 above)	<u>20434</u>
<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>Kody Kruml</b>		<input checked="" type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address <b>16526 104th Ave E Unit 87</b>		C. Certificate No.	
City <b>Puyallup</b> State <b>WA</b>		<b>A&amp;P 4027372</b>	
Zip <b>98734</b> Country <b>USA</b>			
		<input type="checkbox"/> Foreign Certificated Mechanic	
		<input type="checkbox"/> Certificated Repair Station	
		<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
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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

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

Certificate or Designation No. <b>IA1820200</b>	Signature/Date of Authorized Individual <i>Janae Bergman 10/3/06/2025</i>
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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 N2282D

3/5/2025

Nationality and Registration Mark

Date

- 1) a) Installed Trio Pro Pilot Autopilot STC #SA0423CH in accordance with STC Group LLC Installation Instructions document # 1006002 Rev K and AC 43-13-1B.
- b) Added FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT for the Trio Pro Pilot Autopilot Document # L-1006-01 Rev D dated 24 September 2024 to the Pilots Operating Handbook.
- c) Instructions for Continued Airworthiness are in accordance with STC Group LLC Instructions for Continued Airworthiness Document # L-1006-02 Rev M dated 26 January 2024 or later FAA approved revision.
- d) Amended aircraft weight and balance.
- e) Electrical load analysis was performed to show that the maximum electrical system demand does not exceed 80% of the aircraft's electrical load capacity.

Additional Sheets Are Attached



US Department of Transportation  
Federal Aviation Administration

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

OMB No. 2120-0020 Electronic Tracking Number  
Exp. 07/31/2026

For FAA Use Only

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<b>1. Aircraft</b>	Nationality and Registration Mark <b>USA N2282D</b>	Serial No. <b>20434</b>
	Make <b>Cessna</b>	Model <b>170B</b> Series
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Perlman, Nathaniel H</b>	Address (As shown on registration certificate) Address <b>18002 Lipoma Firs E Unit A101</b>
		City <b>Puyallup</b> State <b>WA</b> Zip <b>98374</b> Country <b>USA</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	<u>Cessna</u>	(As described in Item 1 above)	<u>20434</u>
<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	Kody Kruml	<input checked="" type="checkbox"/>	U. S. Certificated Mechanic
Address	10520 104TH AVE E UNIT 87		Manufacturer
City	Puyallup      State WA		C. Certificate No.
Zip	98374      Country USA		<b>A&amp;P 4027372</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 <i>Kody Kruml 3/5/25</i>
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### 7. Approval for Return to Service

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

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

Certificate or Designation No. <b>IA1820200</b>	Signature/Date of Authorized Individual <i>James N. [Signature] 03/06/2025</i>
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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 N2282D

03/05/2025

Nationality and Registration Mark

Date

Installed STC SA5924NM Electronics International Inc R-1 tachometer IAW installation manual OI 0517911 Rev. D. Aircraft weight and balance unchanged.

Additional Sheets Are Attached



US Department of Transportation  
Federal Aviation Administration

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

OMB No. 2120-0020 Electronic Tracking Number  
Exp: 01/31/2023

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>N2282D</b>	Serial No. <b>20434</b>	
	Make <b>Cessna</b>	Model <b>170B</b>	Series <b>104</b>
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Perlman, Nathaniel H</b>	Address (As shown on registration certificate) <b>111105 57th Ave Ct E Apt A305</b>	
		City <b>Puyallup</b> State <b>WA</b>	Zip <b>98373</b> Country <b>USA</b>

### 3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	<u>Cessna</u>	(As described in Item 1 above)	<u>20434</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	POWERPLANT	Lycoming	O-360-A1A	L28144-36A
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

### 6. Conformity Statement

<b>A. Agency's Name and Address</b> Name <u>JAMES H BERGMAN</u> Address <u>30319 40TH ST E</u> City <u>BUCKLEY</u> State <u>WA</u> Zip <u>98321</u> Country <u>PIERCE</u>	<b>B. Kind of Agency</b> <input checked="" type="checkbox"/> U. S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization	<b>C. Certificate No.</b> <u>A&amp;P1820200</u>
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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 <u>James H Bergman</u> <u>02/09/2024</u>
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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

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

Certificate or Designation No. <u>FA1820200</u>	Signature/Date of Authorized Individual <u>James H Bergman</u> <u>02/09/2024</u>
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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.)

N2282D

Nationality and Registration Mark

02/09/2024

Date

Install STC SE02352CH Challenger Oil Filter CP48019-C in accordance with Installation Instructions for Lycoming O-360 Engine.

end

Additional Sheets Are Attached



US Department of Transportation  
Federal Aviation Administration

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

OMB No. 2120-0020  
Exp: 01/31/2023

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>N2282D</b>	Serial No. <b>20434</b>	Series <b>B</b>
	Make <b>CESSNA</b>	Model <b>170</b>	
<b>2. Owner</b>	Name (As shown on registration certificate) <b>PERLMAN, NATHANIEL H</b>		Address (As shown on registration certificate) Address <b>11105 57TH AVE CT E APT A305</b>
			City <b>PUYALLUP</b> State <b>WA</b>
			Zip <b>98373</b> Country <b>USA</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	<u>CESSNA</u>	(As described in Item 1 above)	<u>20434</u>
<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

<b>A. Agency's Name and Address</b>		<b>B. Kind of Agency</b>	
Name <u>TIM WILSON</u>		<input checked="" type="checkbox"/>	U. S. Certificated Mechanic
Address <u>44 N PIT LANE</u>		<input type="checkbox"/>	Foreign Certificated Mechanic
City <u>NAMPA</u> State <u>ID</u>		<input type="checkbox"/>	Certificated Repair Station
Zip <u>83687</u> Country <u>USA</u>		<input type="checkbox"/>	Certificated Maintenance Organization
		<b>C. Certificate No.</b> <b>2751361</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 <u>6-8-22</u>
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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

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

Certificate or Designation No. <b>2751361</b>	Signature/Date of Authorized Individual <u>6-8-22</u>
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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.)*

N2282D

6-8-22

Nationality and Registration Mark

Date

INSPECTED PREVIOUSLY INSTALLED GARMIN GTR 225 COM RADIO P/N 010-02483-50 S/N 6MJ001070. THE RADIO WAS FOUND TO BE INSTALLED IN AN AIRWORTHY CONDITION WITH REFERENCE TO GARMIN INSTALLATION INSTRUCTIONS 190-01182-02.

INSPECTED PREVIOUSLY INSTALLED TRANSPONDER STRATUS ESG 153510-000017. THE TRANSPONDER WAS FOUND TO BE INSTALLED IN AN AIRWORTHY CONDITION WITH REFERENCE TO STRATUS DOCUMENT 600840-000031.

INSPECTED PREVIOUSLY INSTALLED AIRFRAMES ALASKA TAIL WHEEL SYSTEM. THE INSTALLATION WAS FOUND TO BE INSTALLED IN AN AIRWORTHY CONDITION WITH REFERENCE TO STC SA01233SE AND APPLICABLE ABI INSTALLATION INSTRUCTIONS.

Additional Sheets Are Attached



US Department of Transportation  
Federal Aviation Administration

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

OMB No. 2120-0020  
Exp: 01/31/2023

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>N2282D</b>	Serial No. <b>20434</b>	
	Make <b>Cessna</b>	Model <b>170B</b>	Series
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Perlman, Nathaniel H</b>		Address (As shown on registration certificate)
			Address <b>11105 57th Avenue Ct E Apt A305</b>
			City <b>Puyallup</b> State <b>WA</b>
			Zip <b>98373</b> Country <b>USA</b>

**3. For FAA Use Only**

The data 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 section 43.7.

Steven D. Huff, DAR-T 999997619
16 JUL 2024  
Date

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	Cessna	(As described in Item 1 above)	20434
<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	Address	<input checked="" type="checkbox"/>	U. S. Certificated Mechanic
City	State	<input type="checkbox"/>	Foreign Certificated Mechanic
Zip	Country	<input type="checkbox"/>	Certificated Repair Station
		<input type="checkbox"/>	Certificated Maintenance Organization
		C. Certificate No. <b>3267577</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
		<span style="font-size: 1.2em; font-weight: bold;">July 28 2024</span>

**7. Approval for Return to Service**

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

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

Certificate or Designation No. <b>3267577</b>	Signature/Date of Authorized Individual
	<span style="font-size: 1.2em; font-weight: bold;">July 28 2024</span>

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.)

N2282D

Nationality and Registration Mark

July 28, 2024

Date

1. INTRODUCTION: This is to document the removal of the original Cessna leaf spring and the installation of Alaska Bushwheel T3 Tailwheel Suspension System.
2. DESCRIPTION: Removed original leaf spring and tailwheel. Installed Alaska Bushwheel T3 Tailwheel Suspension assembly P/N - ABI-51525, in accordance with Alaska Bushwheel Installation Instructions ABI-51525-II, Section 5, dated 19 JUN 2018. Refer to appendix A of above document for parts and assembly drawings.
3. CONTROL: See attached Alaska Bushwheel's Instructions for Continued Airworthiness, ABI-DST3-ICA, dated 18 JUL 2019, for operation information and special procedures.
4. SERVICING: See attached Alaska Bushwheel's Instructions for Continued Airworthiness, ABI-DST3-ICA, dated 18 JUL 2019, for servicing procedures.
5. MAINTENANCE: See attached Alaska Bushwheel's Instructions for Continued Airworthiness, ABI-DST3-ICA, dated 18 JUL 2019, for maintenance procedures.
6. TROUBLESHOOTING: See attached Alaska Bushwheel's Instructions for Continued Airworthiness, ABI-DST3-ICA, dated 18 JUL 2019, section (4) for Troubleshooting procedures.
7. REMOVAL AND REPLACEMENT: See Alaska Bushwheel Installation instructions ABI-51525-II, dated 19 JUN 2018, Section 5.1 and 5.2.
8. DIAGRAMS: See Alaska Bushwheel Installation instructions ABI-51525-11, dated 19 JUN 2018, Section 7.1 and 7.2.
9. SPECIAL INSPECTIONS: Not applicable.
10. APPLICATION OF PROTECTIVE TREATMENTS: Keep unit clean and painted to avoid corrosion.
11. DATA: Use standard torque values as listed in AC43.13-1 B, Chapter 7, Section 3. A copy of standard torque values is supplied in the Alaskan Bushwheel Installation Manual, Section 7.2
12. LIST OF SPECIAL TOOLS: Not Applicable.
13. COMMUTER AIRCRAFT: Does not apply to this aircraft.
14. OVERHAUL PERIODS: No additional overhaul time limitations.
15. AIRWORTHINESS LIMITATIONS: Not Applicable.

Additional Sheets Are Attached

N2282D Cessna 170B S/N - 20434

16. REVISION: Revision: A letter will be submitted to the local FSDO with a copy of the revised FAA Form 337 and revised ICA. The FAA inspector accepts the change by signing Block 3 and including the following statement: "The attached revised/new Instructions for Continued Airworthiness (date \_\_\_\_\_) for the above aircraft of component major alteration have been accepted the FAA, superseding the Instructions for Continued Airworthiness (date \_\_\_\_\_)." Once the revision has been accepted, a maintenance record entry will be made, identifying the revision, its location, and date of the Form 337.

17. Aircraft Weight and Balance amended, and equipment list updated.

18. A taxi and flight test is to be performed to verify aircraft controllability. These tests will be entered into the aircraft maintenance records and signed off by the pilot performing them.

-----END-----



US Department of Transportation  
Federal Aviation Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

1. Aircraft	Nationality and Registration Mark <b>N2282D</b>	Serial No. <b>20434</b>	
	Make <b>Cessna</b>	Model <b>170B</b>	Series
2. Owner	Name (As shown on registration certificate) <b>Troutman, Charles W.</b>		
	Address (As shown on registration certificate) Address <b>9921 Coppco Road</b>		
	City <b>Ashland</b>	State <b>Oregon</b>	
	Zip <b>97520</b>	Country <b>United States</b>	

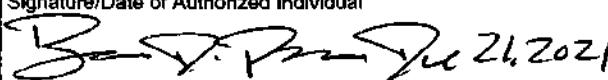
**3. For FAA Use Only**

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>Brian J. Pankoin</b>	Address <b>151 Rosewood Lane</b> City <b>Central Point</b> State <b>OR</b> Zip <b>97502</b> Country <b>U.S.A.</b>	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	<b>A&amp;P 3102250 IA</b>
		<input type="checkbox"/> Certificated Maintenance Organization	

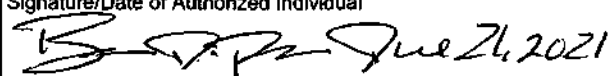
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and 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>Brian J. Pankoin / June 21, 2021</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	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. <b>A&amp;P 3102250 IA</b>	Signature/Date of Authorized Individual  <b>Brian J. Pankoin / June 21, 2021</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.)*

N2282D

Nationality and Registration Mark

June 21, 2021

Date

Install the following STC's and electrical equipment.

- 1- STC SA02825NY Aerospace Logic two tank fuel quantity indicator in replacement of dual fuel gauge installation as per previously approved wing modification. This installation is to increase the safety of the aircraft by keeping the fuel quantity for both tanks in one gauge instead of two separate gauges mounted on both sides of the instrument panel. Installed in accordance with Document No. S200-CIL Rev 1.0 dated 12/02/2009.
- 2- STC SA2693NM Electronics International digital Volt/Amp Gauge in accordance with installation instructions No. II 040934 Rev. C dated 2/24/92
- 3- STC SA00068SE Electronics International FP-5 secondary fuel flow/pressure instrument in accordance with Installation Instructions II 0506931 Rev. 1 dated 5/6/93
- 4- STC SA5925NM Electronics International OPT-1 oil pressure/temperature primary instrument in accordance with Installation Instruction OI 0520911 Rev. C dated 10/8/97
- 5- Install ACK 406 series ELT
- 6- Install Becker TSO 6102 COM radio
- 7- Install PS Engineering PM3000 intercom
- 8- Install Whelen tail beacon/strobe combination light

end

Additional Sheets Are Attached



US Department of Transportation  
Federal Aviation Administration

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

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

For FAA Use Only

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

<b>1. Aircraft</b>	Nationality and Registration Mark <b>N2282D</b>	Serial No. <b>20434</b>	
	Make <b>Cessna</b>	Model <b>170B</b>	Series
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Troutman, Charles W.</b>		
	Address (As shown on registration certificate) Address <b>9921 Copco Road</b>		
	City <b>Ashland</b>	State <b>Oregon</b>	
	Zip <b>97520</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>Brian J. Pankoin</b>	Address <b>151 Rosewood Lane</b> City <b>Central Point</b> State <b>OR</b> Zip <b>97502</b> Country <b>U.S.A.</b>	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	<b>A&amp;P 3102250 IA</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>Brian J. Pankoin / June 21, 2021</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	Repair Station <input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)

Certificate or Designation No. <b>A&amp;P 3102250 IA</b>	Signature/Date of Authorized Individual <b>Brian J. Pankoin / June 21, 2021</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.)

N2282D

June 21, 2021

Nationality and Registration Mark

Date

Install the following STC's

- 1- STC SA01015SE Alaskan Bushwheels 29 inch tires as listed in AML SA01015SE
- 2- STC SA2067NM BAS 3 point harness system
- 3- STC SA02008AK F. Atlee Dodge lightweight rear folding seats in accordance with Installation Instructions Manual 3187-1M Rev B. Dated July 30, 2005
- 4- STC SA01102SE Selkirk extended baggage system
- 5- STC SA2918NM P. Ponk landing gear beef up kit
- 6- STC SA01120SE Door Stewards door gas assist spring modification in accordance with installation instructions MVA-200C10M&O on both cabin doors.
- 7- STC SA00871SE Rosen Visor system in accordance with document 9051-0118-012 Rev G.
- 8- STC SA01026SE Steve's Aircraft model SA3-00-B Gascolator in accordance with installation instructions 3200-3-22

-----end-----

Additional Sheets Are Attached



US Department of Transportation  
Federal Aviation Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

<b>1. Aircraft</b>	Nationality and Registration Mark <b>N2282D</b>	Serial No. <b>20434</b>	
	Make <b>Cessna</b>	Model <b>170B</b>	Series
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Troutman Charles W</b>		Address (As shown on registration certificate) Address <b>9921 Copco Road</b>
			City <b>Ashland</b> State <b>Oregon</b>
			Zip <b>97520</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>Brian J. Pankoin</b>		<input checked="" type="checkbox"/>	U. S. Certificated Mechanic
Address <b>151 Rosewood Lane</b>		<input type="checkbox"/>	Foreign Certificated Mechanic
City <b>Central Point</b> State <b>OR</b>		<input type="checkbox"/>	Certificated Repair Station
Zip <b>97502</b> Country <b>U.S.A.</b>		<input type="checkbox"/>	Certificated Maintenance Organization
		<b>C. Certificate No.</b> <b>3102250</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>Oct 24, 2018</b>	Brian J. Pankoin
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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 Ft. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/>	Inspection Authorization
				Other (Specify)

Certificate or Designation No. <b>3102250</b>	Signature/Date of Authorized Individual <b>Oct. 24, 2018</b>	Brian J. Pankoin
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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.)*

N2282D

Nationality and Registration Mark

October 24, 2018

Date

Install BAS Inc. tail pull handles in the aft fuselage in accordance with TPH-1 installation instructions dated April 14, 2004

-----end-----

Additional Sheets Are Attached

Department of Transportation Federal Aviation Administration

# Supplemental Type Certificate

**IMPORTANT DOCUMENTS**

RECORDS OF AIRCRAFT RECORDS  
*This certificate, issued to:*

*Number* SA3814NM

Reg.# N2282D  
AC Ser.# 20434  
B.A.S. Inc. Ser.#  
1. 4622  
2. \_\_\_\_\_

**BAS, Inc.**  
**411 Super Cub Drive North**  
**PO Box 190**  
**Eatonville, WA 98328**

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part \* of the \* Regulations.*

*Original Product—Type Certificate Number:* \* See Attached FAA Approved Model List SA3814NM  
*Make:* for List of Approved Airplane Models  
*Model:* and Applicable Airworthiness Regulations

*Description of the Type Design Change:* Installation of BAS, Inc. tail pull handle in the aft fuselage in accordance with BAS, Inc. Installation Instructions No. TPH-1, Revision B dated March 23, 1998, or later FAA-approved revision, and Drawing No. TPH-1, Revision B, dated March 24, 1998, or later FAA-approved revision.

*Limitations and Conditions:* Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft.

A copy of this certificate and FAA Approved Model List No. SA3814NM must be maintained as part of the permanent records for the modified aircraft.

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

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

*Date of application:* August 13, 1986      *Date reissued:*  
*Date of issuance:* July 24, 1987      *Date amended:* December 18, 1991; April 17, 1998;  
December 02, 2010



*By direction of the Administrator*

\_\_\_\_\_  
(Signature)  
Acting Manager, Seattle Aircraft Certification Office  
(Title)

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

*This certificate may be transferred in accordance with FAR 21.47.*





US Department of Transportation  
Federal Aviation Administration

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

OMB No. 2120-0020  
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

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

1. Aircraft	Nationality and Registration Mark N2282D	Serial No. 20434	
	Make Cessna	Model 170	Series B
2. Owner	Name (As shown on registration certificate) Charles Wayne Troutman	Address (As shown on registration certificate) Address 1394 SE Pilot Dr.	
		City Prineville	State OR
		Zip 97754	Country USA

3. For FAA Use Only

This approval coordinated with SEA ACO action stamp # 782-18-9937 dated 9/12/2018.

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

Signed: Charles Lloyd Wright Digitally signed by Charles Lloyd Wright  
Date: 2018.09.14 09:10:58 -0700


NM-FSDO-09

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	Cessna	(As described in Item 1 above)	20434
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.  3790199
Name	Kyle Fosso	<input checked="" type="checkbox"/>	U. S. Certificated Mechanic	
Address	4116 R Ave.		Foreign Certificated Mechanic	
City	Anacortes State WA		Certificated Repair Station	
Zip	98221 Country USA		Certificated Maintenance Organization	


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

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual  9-25-2018
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7. Approval for Return to Service

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

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

Certificate or Designation No. 3102250	Signature/Date of Authorized Individual  October 4, 2018
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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.)

N2282D

Nationality and Registration Mark

Date

1. Remove original Cessna 170B wings.
2. Replace above Cessna 170B wings with 1958 Cessna 175 wings, using original 170B struts, flaps, and ailerons. Both wings are identical in all regards, including airfoil (NACA 2412), with the exception of a larger fuel tank and associated parts. The Cessna 175 wings each carry 26 gallons per side. The original Cessna 170B wings each carry 21 gallons per side. The gross weight of the Cessna 170B is 2,200 lbs, and the gross weight of the Cessna 175 is 2,350 lbs. Please reference prior 337 for 175 wings installed on 170B N2580D SN 20732 dated 1/26/1998 and the attached letter from Gary Peak. Please also reference Stene Aviation STC# SA01833SE Dated 5/5/2008.
3. Rig flaps and ailerons according to the 170B maintenance manual. All travels remain the same.
4. Install Left and Right UMA Electronic Fuel Quantity Indicator TSO'd PN 10-02392
5. Install McFarlane fuel sending units PN# MC0523557-1
6. Position aircraft in level flight attitude and drain tanks to establish useable fuel amount, and to calibrate sending units to read empty when useable fuel has been drained in accordance with CE-03-43R1 Dated 9-23-2003.
7. Install revised fuel quantity placards.
8. Revise section of Pilots Operating Handbook regarding fuel system, quantity, weight, and unusable fuel.
9. Maintain continued airworthiness by referring to Cessna 100 Series Service Manual D138-13-RAND-325-6/73 or a later revision.
10. The right hand Cessna 175 wing has a landing light installed. Reference AERODESIGN Aircraft engineering, inc. Report 7435-1 Rev. A dated 11-11-2008 Sheet 1-5.
11. Install Aero LED's and associated wiring in the right and left wing. Aero LED's are approved per STC# SA02386AK on both the 170B and 175 airplanes. Wiring in the right wing is identical to the left wing using 20AWG TEFZEL shielded wire. Each bulb draws a maximum of 3.5 amps. Installed 15 amp circuit breaker.
12. Instructions for continued airworthiness can be found in the Cessna 100 series service manual, and in Aero LED's installation guide 0003-0004 Rev.E page 1.
13. Aircraft to be re-weighed upon completion of scheduled work and a new weight and balance will be supplied at that time.

-----END-----

Additional Sheets Are Attached



US Department of Transportation  
Federal Aviation Administration

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

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

Electronic Tracking Number

For FAA Use Only

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

<b>1. Aircraft</b>	Nationality and Registration Mark N2282D	Serial No. 20434		
	Make Cessna	Model 170B	Series	
<b>2. Owner</b>	Name (As shown on registration certificate) Troutman, Charles W.		Address (As shown on registration certificate)	
			Address 9921 Copco Road	
			City Ashland	State Oregon
			Zip 97520	Country United States

### 3. For FAA Use Only

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

### 6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.  3102250
Name <u>Brian J. Pankonin</u>		<input checked="" type="checkbox"/> U. S. Certified Mechanic	Manufacturer	
Address <u>151 Rosewood Lane</u>		<input type="checkbox"/> Foreign Certified Mechanic		
City <u>Central Point</u> State <u>OR</u>		<input type="checkbox"/> Certified Repair Station		
Zip <u>97502</u> Country <u>U.S.A.</u>		<input type="checkbox"/> Certified 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 Feb. 21, 2018	Brian J. Pankonin / February 21, 2018
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### 7. Approval for Return to Service

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

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

Certificate or Designation No. 3102250	Signature/Date of Authorized Individual Feb. 21, 2018	Brian J. Pankonin / February 21, 2018
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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.)*

N2282D

February 21, 2018

Nationality and Registration Mark

Date

Install STC SA806CE Lycoming O-360-A1A S/N L28144-36A and Hartzell propeller model HC-C2YK-1B IAW drawing list 17013 dated December 29, 1976.

New weight and balance performed.

-----end-----

Additional Sheets Are Attached

E 2987 PW

United States of America

Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

Number SA806CE

This certificate, issued to Robert L. & Barbara V. Williams  
117 E. First  
Udall, KS 67146

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product — Type Certificate Number: A-799  
Make: Cessna  
Model: 170A, 170B (landplanes, normal category only)

Description of Type Design Change: Installation of Lycoming engine Model O-360-A1A and Hartzell propeller Model HC-C2YK-1B/7666A-2 as indicated by continuation sheets two through four.

Data required: Avcon Industries, Inc., Drawing List 17013 dated October 19, 1971, or August 13, 1976, or later FAA approved revision, and a copy of this certificate including continuation sheets.

Limitations and Conditions: This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of the airplane. Also, see continuation sheets.

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

Date of application: October 19, 1971  
Date of issuance: December 17, 1971

Date issued: April 25, 1974; August 5, 1981  
Date amended: September 3, 1976



By direction of the Administrator  
*Barry D. Clements*  
BARRY D. CLEMENTS  
Chief, Aircraft Certification Program  
(Title)

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

THIS STC IS UNDER LICENSE AGREEMENT TO AVCON CONVERSIONS, INC., BOX 654, UDALL, KS 67146

INFORMATION CONTAINED HEREIN IN REGARD TO STC SA806CE IS THE PROPERTY OF BOB OR BARBARA WILLIAMS. REPRODUCTION OF ANY DRAWING OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR EXPRESSLY AUTHORIZED IN WRITING BY BOB OR BARBARA WILLIAMS. THIS PACKET IS AUTHORIZED ONLY TO BE USED ON AIRCRAFT N 2282 D SN 20434 AND NO OTHER. ANY OTHER USE CONSTITUTES FRAUD.



U. S. DEPARTMENT OF COMMERCE  
CIVIL AERONAUTICS ADMINISTRATION  
**APPLICATION FOR AIRWORTHINESS CERTIFICATE  
AND/OR ANNUAL INSPECTION OF AN AIRCRAFT**

**INSTRUCTIONS**  
Please print or type. Submit this form to the  
Civil Aeronautics Administration Aviation Safety  
Field Representative.

**1. TYPE OF APPLICATION (Check which)**

<input type="checkbox"/> ORIGINAL ISSUANCE OF CERTIFICATE	<input type="checkbox"/> RECERTIFICATION UNDER THE PROVISIONS OF CAR 1
<input checked="" type="checkbox"/> ANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE	<input type="checkbox"/> MULTIPLE CERTIFICATE UNDER THE PROVISIONS OF CAR 1
<input type="checkbox"/> AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE	<input type="checkbox"/>

**2. AIRWORTHINESS CLASSIFICATION (Check appropriate item(s))**  
It is requested that the Certificate of Airworthiness be issued to permit operation of the aircraft in the following airworthiness classification(s):

STANDARD (NORMAL UTILITY, ACROBATIC, TRANSPORT CATEGORIES)

LIMITED (SEE CAR 1)

RESTRICTED (SEE CAR 1)  
(Check the restricted special purpose operation(s) to be conducted)

<input type="checkbox"/> AGRICULTURAL AND PEST CONTROL	<input type="checkbox"/> PATROLLING
<input type="checkbox"/> AERIAL ADVERTISING	<input type="checkbox"/> FOREST AND WILDLIFE CONSERVATION
<input type="checkbox"/> AERIAL SURVEYING	<input type="checkbox"/> WEATHER CONTROL
<input type="checkbox"/> GLIDER TOWING	<input type="checkbox"/> OTHER

EXPERIMENTAL  
(Check the type of experimental operation(s) to be conducted)

<input type="checkbox"/> RESEARCH AND DEVELOPMENT	<input type="checkbox"/> RACING
<input type="checkbox"/> AMATEUR-BUILT	<input type="checkbox"/> EXHIBITION
<input type="checkbox"/> DEMONSTRATION	<input type="checkbox"/> OTHER

**3. AIRCRAFT IDENTIFICATION (Complete all items)**

a. AIRCRAFT MAKE Cessna	b. AIRCRAFT MODEL 170B	c. AIRCRAFT SERIAL NO. 20434
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d. ENGINE MAKE Continental	e. ENGINE MODEL C-145-2
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acc  
9-4-56

**4. AIRCRAFT REGISTRATION INFORMATION (Complete all items)**

a. REGISTERED OWNER'S FULL NAME Western Flying Service	b. PERMANENT MAILING ADDRESS P. O. Box 95 Winner, S. Dak.	c. AIRCRAFT NATIONALITY AND REGISTRATION MARK N-2282D
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**5. AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate item)**

I hereby certify that I am the registered owner (or his agent) of the aircraft identified in Item 3 above which is registered\* with the Civil Aeronautics Administration as required by the Regulations of the Administrator, Part 501 or 502 and when operated displays the following evidence of registration:

CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A), DATE OF ISSUE May 8, 1956

APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B), FORM ACA-500, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, W-NO ON \_\_\_\_\_

DEALER'S REGISTRATION CERTIFICATE, FORM ACA-007, DATED \_\_\_\_\_

\*In order to be eligible for registration an aircraft must be owned by a citizen of the United States, as defined by Section 1 (13) of the Civil Aeronautics Act of 1926, as amended.

**ATTACHMENTS (Check which)**

<input checked="" type="checkbox"/> ACA-315	<input type="checkbox"/> WEIGHT AND BALANCE REPORT
<input type="checkbox"/> ACA-317	<input type="checkbox"/> DATA, DRAWINGS, ETC.
<input type="checkbox"/> ACA-317	<input type="checkbox"/> UNAPPROVED DEVIATION DATA

Signature: Robert W. Wil  
(SIGNATURE OF REGISTERED OWNER OR AUTHORIZED AGENT)

June 1, 1956  
(DATE)

Owner  
(TITLE)

lw

U. S. DEPARTMENT OF COMMERCE  
CIVIL AERONAUTICS ADMINISTRATION

**AIRCRAFT INSPECTION REPORT**

(To be completed by a CAA representative or approved repair station)

The aircraft described in Item 3 on the reverse of this form has been inspected and found to conform to the following:

(Check and complete applicable items)

- 1. AIRCRAFT AND ENGINE CERTIFICATION BASIS**
  - AIRCRAFT SPECIFICATION NO. A-799 THROUGH SHEET REVISION NO. 39
  - AIRCRAFT LISTING PAGE NO. \_\_\_\_\_
  - AIRWORTHINESS DIRECTIVE SUMMARY 1954 Rev. THROUGH CARD NO. 56-11
  - CIVIL AIR REGULATION PART 8 (MODIFIED TYPE CERTIFICATE)

**2. AIRCRAFT AND ENGINE OPERATING RECORDS**

- AIRCRAFT NEW—NO PREVIOUS OPERATION OR MAINTENANCE HISTORY
- COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECTIVES RECORDED
- AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEEN OPERATED A TOTAL OF 1086.4 HOURS
- ENGINE RECORDS INDICATE THE FOLLOWING OPERATIONS:
 

SERIAL NO. <u>6330-D-252</u>	TOTAL HOURS <u>1086.4</u>
SERIAL NO. _____	TOTAL HOURS _____
SERIAL NO. _____	TOTAL HOURS _____
SERIAL NO. _____	TOTAL HOURS _____

**3. PREVIOUS INSPECTION RECORD (INSPECTION RECORDED ON FORM ACA-319)**

- LAST AIRWORTHINESS INSPECTION CONDUCTED June 1, 1956 (DATE)
  - BY AIRCRAFT MANUFACTURER
  - BY APPROVED REPAIR STATION, CERTIFICATE NO. \_\_\_\_\_
  - BY MECHANIC, CERTIFICATE NO. A&E 241983
- PERIODIC AIRCRAFT INSPECTION REPORT, FORM ACA-319, WAS RETURNED TO OWNER

**4. AIRWORTHINESS DOCUMENTS ISSUED OR REVIEWED**

- OPERATION LIMITATIONS, FORM ACA-300, WAS ISSUED (COPY ATTACHED)
- CURRENT OPERATION LIMITATIONS, FORM ACA-300, IS AVAILABLE IN AIRCRAFT
- CURRENT APPROVED AIRPLANE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT
- CURRENT WEIGHT AND BALANCE INFORMATION IS AVAILABLE IN AIRCRAFT
- THIS INSPECTION HAS BEEN RECORDED IN THE AIRCRAFT RECORDS
- CERTIFICATE OF AIRWORTHINESS, FORM ACA-102, ISSUED TO EXPIRE June 1, 1957 (DATE)
- PREVIOUS FORM ACA-102 WAS ISSUED TO EXPIRE June 1, 1956 (DATE)
 

BY Robert R. Wiley Jr. (NAME OF ISSUING REPRESENTATIVE) 5245 (DESIGNATION NO.)

RECEIVED  
 JUN 26 11 25 AM '56  
 AIRMAIL RECORDS DIVISION  
 W-300

**5. CAA APPROVED REPAIR STATION CERTIFICATION**

The aircraft described on the reverse has been inspected under the authority accorded certified repair station No. \_\_\_\_\_ by CAR 52 and was found to be:

AIRWORTHY

UNAIRWORTHY

(REPAIR STATION AUTHORIZED SIGNATURE) \_\_\_\_\_ (DATE) \_\_\_\_\_

**6. CAA REPRESENTATIVE CERTIFICATION**

I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE REVERSE AND FOUND IT:  AIRWORTHY -  UNAIRWORTHY (Check appropriate item)

DESIGNEE'S SIGNATURE <u>Robert R. Wiley</u>	DESIGNATION NO. <u>5245</u>	DATE <u>6/7/56</u>	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REINSPECTED <input type="checkbox"/> SPOT CHECKED
AVIATION SAFETY AGENT'S SIGNATURE <u>Harry Hager</u>	CAA DESIGNATION NO. <u>ASDO 16</u>	DATE <u>6-12-56</u>	

ATTACHMENT



*Stout ml*

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

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

Form Approved Budget Bureau No. 04-8060.1  
FOR FAA USE ONLY  
OFFICE IDENTIFICATION GADO  
4-0-08

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 <u>Cessna</u>	MODEL <u>170B</u>
	SERIAL NO. <u>30434</u>	NATIONALITY AND REGISTRATION MARK <u>N22823</u>
2. OWNER	NAME (As shown on registration certificate) <u>Krey John F</u>	ADDRESS (As shown on registration certificate) <u>Emigra Route Adelanto Cal 92301</u>

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: <u>Woodrow W Pratt PO Box E Adelanto, CA 92301</u>	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. <u>ATP1161940</u>
---	--	---

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 <u>Sept 30, 1973</u>	SIGNATURE OF AUTHORIZED INDIVIDUAL <u>Woodrow W Pratt</u>
------------------------------	--

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 <input checked="" type="checkbox"/>	INSPECTION AUTHORIZATION	OTHER (Specify)
FAA DESIGNEE	REPAIR STATION <input checked="" type="checkbox"/>	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION <u>SEP 30, 1973</u>	CERTIFICATE OR DESIGNATION NO. <u>ATP1161940</u>	SIGNATURE OF AUTHORIZED INDIVIDUAL <u>Woodrow W Pratt</u>	

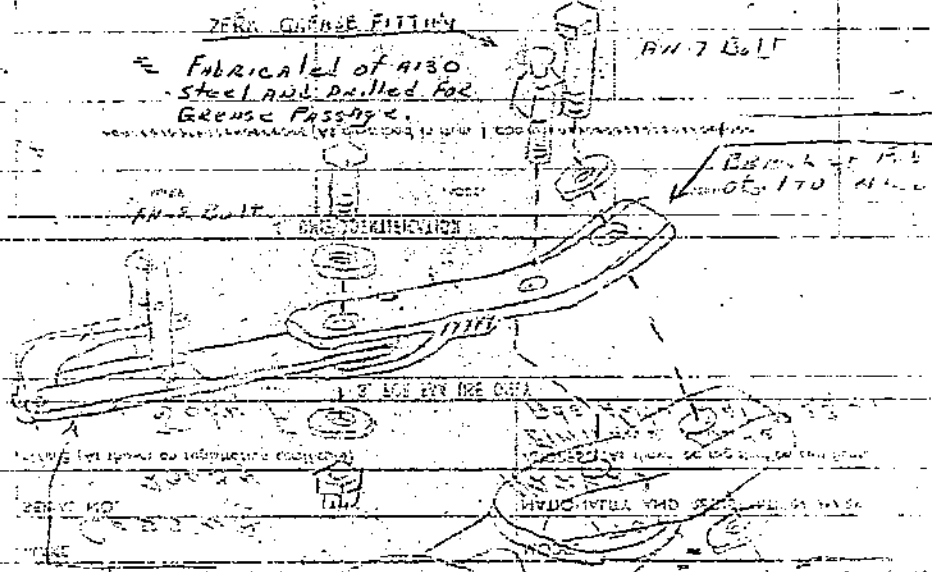
(8270)

**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 tow hitch using section 2 of AC 4313-2 as a guide. Installation typical to Figure 2819 of AC 4313-2. Installed on console approx. 6 in. aft of Fuel Selector Valve. Between front seats. 3/32" x 1/8" cable from Release Handle to tow hook. Weight & Balance & Equip list updated. All work in accordance with AC 4313-1A.



RECEIVED  
 OCT 18 1979  
 A D O  
 ONTARIO  
 CANADA

ADDITIONAL SHEETS ARE ATTACHED

OFFICE IDENTIFICATION

U.S. GOVERNMENT PRINTING OFFICE : 1977 O-272-048

FEDERAL AVIATION AGENCY

Form approved  
 Budget Bureau No. 41-8012A

MAJOR REPAIR AND ALTERATION FORM (AIRFRAME, POWERPLANT, PROPELLER OR APPLIANCE)

1. AIRCRAFT MAKE	<u>Cessna 170B</u>	MODEL	<u>170B</u>	SERIAL NO.	<u>20484</u>	NATIONALITY AND REGISTRATION MARK	<u>N2282D</u>
2. OWNER NAME (First, middle, last)	<u>James B. Mollary, Jr., Jacqueline W. Mollary and L. Milton Wolf</u>		ADDRESS (Street and number, city, state and ZIP)				
			<u>2863 Durand Drive Hollywood 28, California</u>				

3. COMPLETE ONLY FOR UNIT REPAIRED AND/OR ALTERED. DESCRIBE WORK ACCOMPLISHED ON REVERSE IN ACCORDANCE WITH CIVIL AERONAUTICS MANUAL 11.

UNIT	MAKE	MODEL	SERIAL NO.	NATURE OF WORK (Check)	
				MAJOR REPAIR	MAJOR ALTERATION
1. AIRFRAME	***** (As described in item 1 above) *****				<u>XX</u>
2. POWERPLANT	<u>Continental</u>	<u>C145-200</u>	<u>43307</u>	<u>2</u>	<u>XX</u>
3. PROPELLER					
4. APPLIANCE	TYPE AND MANUFACTURER				

The alteration complies with applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in CAR 18.11(b).  
D.A. Mollary WE-13  
 Date 2-16-62

4. AIRCRAFT WEIGHT AND BALANCE DATA: This item must be completed by repair or alteration agency. However, in the case of a spare component, it will not be completed until such component is installed in an aircraft. At this time, it will be completed by the installing agency, if applicable.

CATEGORY	EMPTY WEIGHT (Pounds)*	EMPTY CENTER OF GRAVITY (Inches from datum)*	USEFUL LOAD (Pounds)*
<u>Standard</u>	<u>1812.5</u>	<u>37.16" aft of datum</u>	<u>867.5</u>

5. CONFORMITY STATEMENT (Complete and check)

a. AGENCY'S NAME AND ADDRESS	b. KIND OF AGENCY	c. CERTIFICATE NO.
<u>Gordon L. Layton 15826 Corroabi St. Pacifica, California</u>	<input checked="" type="checkbox"/> U. S. Certificated Mechanic. <input type="checkbox"/> Foreign Certificated Mechanic. <input type="checkbox"/> Certificated Repair Station. <input type="checkbox"/> Manufacturer. <input type="checkbox"/> (Check if repair or alteration was made under delegation option procedures.)	<u>AP 1271551</u>

6. I certify that the repair and/or alteration made to the unit(s) identified under item 3 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 18 of the U. S. Civil Air Regulations and that the information furnished herein is true and correct to the best of my knowledge.

2-16-1962 (Date repair and/or alteration completed)  
Gordon L. Layton (Signature of authorized individual)

7. APPROVAL FOR RETURN TO SERVICE (Check and complete appropriate items)  
 Pursuant to the authority specified below the unit identified in item 3 was inspected in the manner prescribed by the Administrator of the Federal Aviation Agency and is:

APPROVED } BY  FAA Designee  Manufacturer  Canadian Department of Transport Inspector of Aircraft  
 REJECTED }  FAA Flight Standards  Repair Station  Other (Specify) Inspection Authorization

2-16-1962 (Date of approval or rejection)  
Gordon L. Layton AP1271551 (Signature of authorized individual, title or identification number)

8. TO BE COMPLETED ONLY BY FAA PERSONNEL

Forwarded for engineering comment  See attached memorandum  
 Accepted 2-17-62  Reinspected (Date)  Spot Checked

WESTERN REGIONAL OFFICE  
WE-GAD0115 (FAA designation number)  
D.A. Mollary (Signature Flight Standards Inspector)  
 MAR 15 1962  
 L.R. JAC

**INSTRUCTIONS**

This form must be completed in duplicate each time a major repair and/or alteration is made on an aircraft, airframe, powerplant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the FAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

**2. DESCRIPTION OF WORK ACCOMPLISHED**

The following equipment installed this date. Model 150000 Roto-Lite anti-collision beacon installed on top of fuselage aft of baggage compartment at +108. Beacon switch and 5 amper fuse mount on panel and placarded. See attached sheet for drawing on skin reinforcing doubler.

Two fiberglass wheel streamlines using Cessna mounting brackets and attach methods. Richter Aero Equipment type B6 probe and Carburetor Air Temperature Kit according to Richter Installation Bulletin # 5 and SFC-SE1-201.

Venturi system and Directional and Horizontal Gyro's.

Cylinder head temp kit.

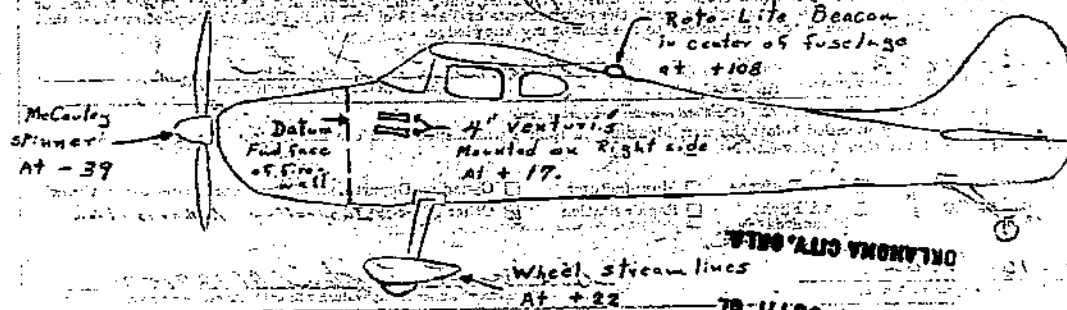
McCaulley propeller spinner assy.

Weight and balance changes as follows.

	E.W.	Arm	Moment
Old Aircraft E.W.	1286.0	37.5	48265.2
Items installed:			
Model 15000 Roto-Lite Beacon	2.0	108.0	216.0
Fiberglass Wheel Streamlines	8.0	22.0	176.0
Carburetor Air Temperature Gage	1.0	14.0	14.0
Venturi System and Gyros	15.0	14.0	182.0
Cylinder Head Temperature Gage	.5	16.0	8.0
McCaulley Propeller Spinner Assy.	2.0	-39.0	-78.0
	<u>1512.5</u>		<u>48785.2</u>

48785.2 = 37.16 New E.W.C.G.  
1312.5 New useful load = 887.5

See attached sheet for Roto-Lite doubler drawing.



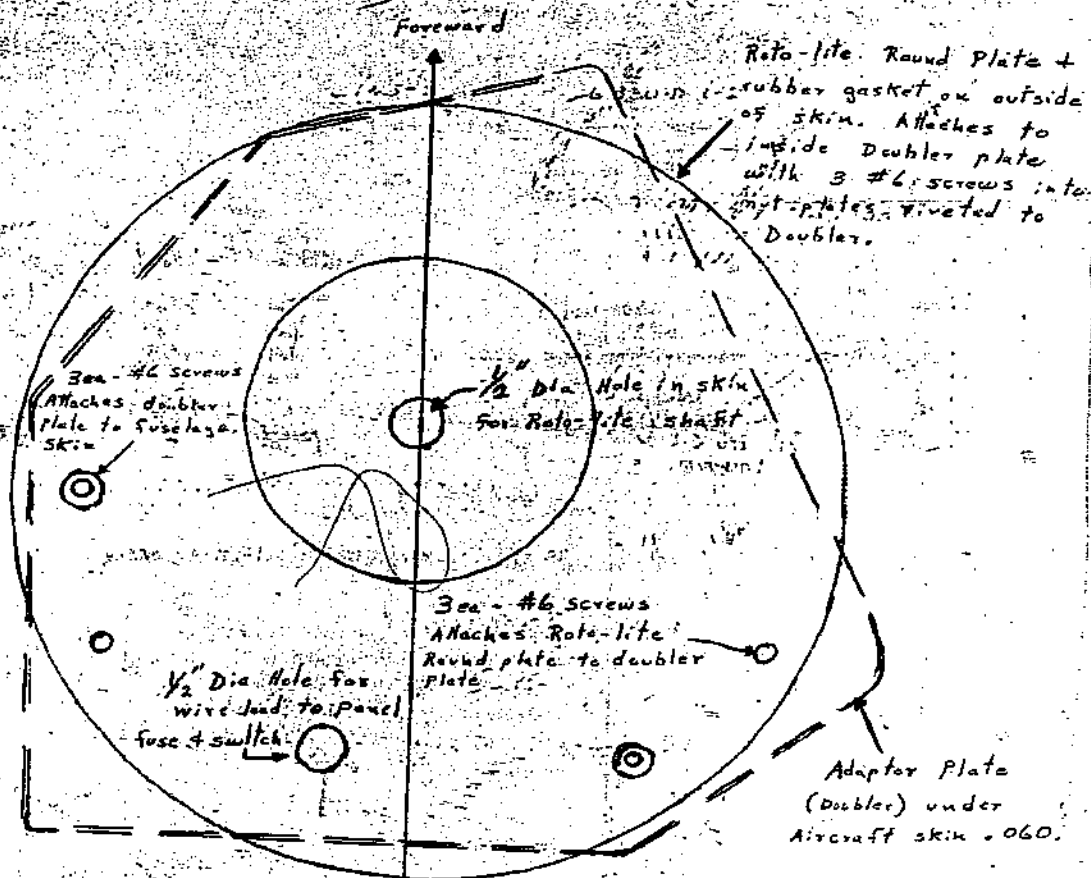
\*If additional space is needed attach additional sheets bearing aircraft nationality and registration marks.  
 Check block if additional sheets are attached.

FAA AIRCRAFT REGISTRY  
 RECORDS BRANCH  
 WASHINGTON, D.C. 20515  
 FORM FAA-827 (4-83)

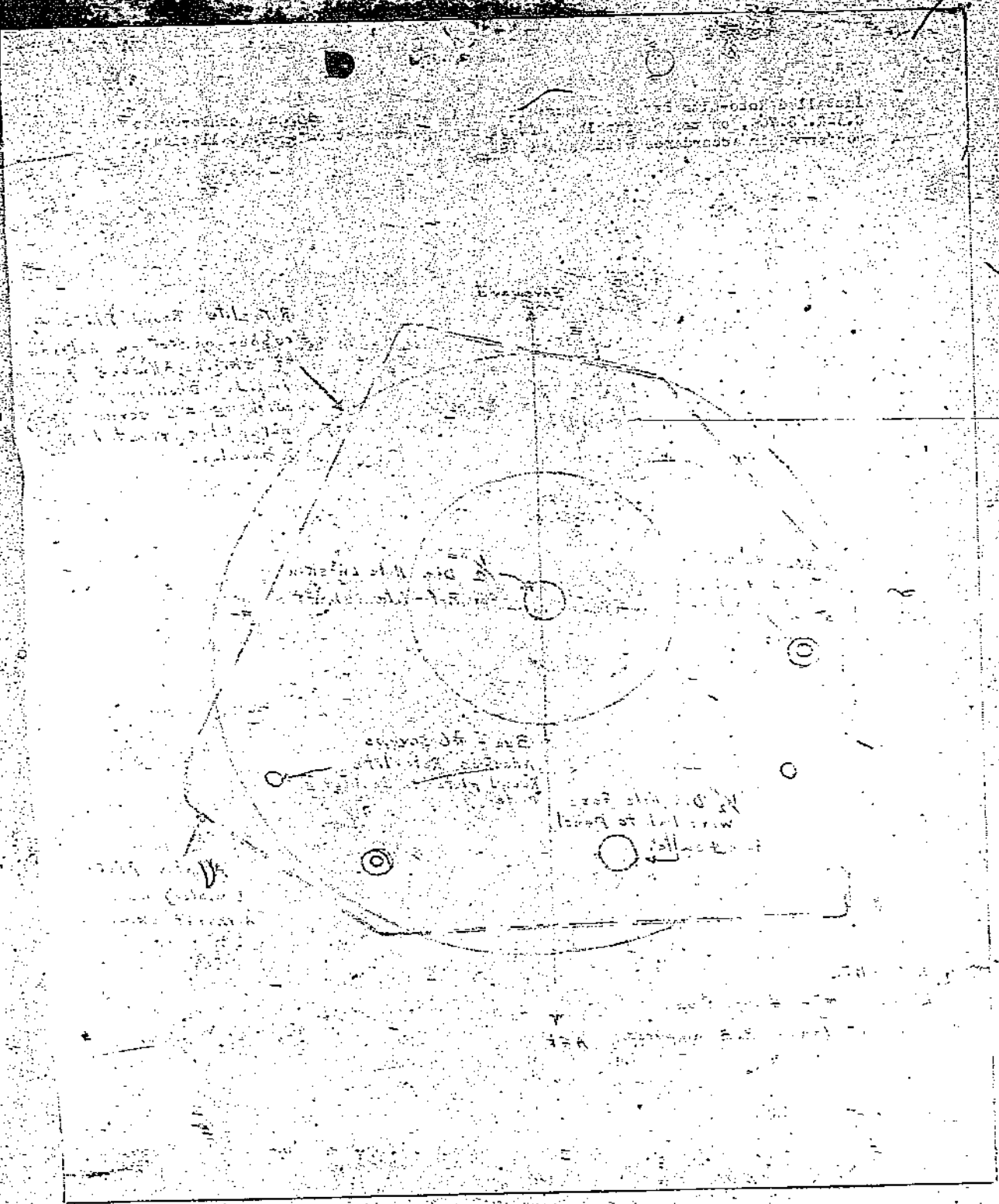
337 dated 3-16-62

N22820

Installed Roto-Lite Beacon, manufactured in accordance with and conforms to C.A.R. 3.705, on top of fuselage aft of baggage compartment. Installation performed in accordance with Manual 18.



Roto-lite  
Beacon wt 2 lbs. 3 oz.  
Current draw 3.3 amperes. A51



U. S. DEPARTMENT OF COMMERCE  
CIVIL AERONAUTICS ADMINISTRATION

Form approved  
Docket System No. U-80524

**MAJOR REPAIR AND ALTERATION FORM (AIRFRAME, POWERPLANT, PROPELLER OR APPLIANCE)**

1. AIRCRAFT	Make: <b>Cessna</b>	Model: <b>170B</b>	Serial No.: <b>20434</b>	NATIONALITY AND REGISTRATION MARK <b>N2282D</b>
-------------	---------------------	--------------------	--------------------------	--

2. OWNER	NAME (First, middle, last) of owner, lessee, or operator: <b>Charles F. Kauba and Elizabeth H. Kauba</b>	ADDRESS (Street and number, city, state and State): <b>360 Elk Avenue West Glendale 4, California</b>
----------	--	---

3. COMPLETE ONLY FOR UNIT REPAIRED AND/OR ALTERED. DESCRIBE WORK ACCOMPLISHED ON REVERSE IN ACCORDANCE WITH CIVIL AERONAUTICS MANUAL 15

UNIT	MAKE	MODEL	SERIAL NO.	NATURE OF WORK (Check)	
				MAJOR REPAIR	MAJOR ALTERATION
a. AIRFRAME	***** (As described in Item 1 above) *****				<b>XXXX</b>
b. POWERPLANT					
c. PROPELLER					
d. APPLIANCE	TYPE AND MANUFACTURER				

4. AIRCRAFT WEIGHT AND BALANCE DATA This item must be completed by repair or alteration agency. However, in the case of a spare component, it will not be completed until such component is installed in an aircraft. At this time, it will be completed by the installing agency, if applicable.  
AFTER the repairs and/or alterations described below were made.

CATEGORY	EMPTY WEIGHT (Pounds)*	EMPTY CENTER OF GRAVITY (Inches from datum)*	USEFUL LOAD (Pounds)*
STD	1286.0	37.5" aft	914.0

5. CONFORMITY STATEMENT (Complete and check)

a. AGENT'S NAME AND ADDRESS	b. KIND OF AGENCY	c. CERTIFICATE NO.
<b>Harlan L. Nichols 4306 Canabill Avenue Lakewood 8, California</b>	<input checked="" type="checkbox"/> U. S. Certified Mechanic. <input type="checkbox"/> Foreign Certified Mechanic. <input type="checkbox"/> Certified Repair Station. <input type="checkbox"/> Manufacturer. <input type="checkbox"/> (Check if repair or alteration was made under delegation option procedures.)	<b>A:1270778</b>

I certify that the repair and/or alteration made to the unit(s) identified under item 3 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 18 of the U. S. Civil Air Regulations and that the information furnished herein is true and correct to the best of my knowledge.

11/13/59  
(Date repair and/or alteration completed) *Harlan L. Nichols*  
(Signature of authorized individual)

6. APPROVAL FOR RETURN TO SERVICE (Check and complete appropriate items)

Pursuant to the authority specified below the unit identified in item 3 was inspected in the manner prescribed by the Administrator and is

APPROVED } BY {  CAA Designee    Manufacturer    Canadian Department of Transport Inspector of Aircraft  
 REJECTED }    CAA Aviation Safety Agent    Repair Station    Other (Specify) **IA 1270778**

11/13/59  
(Date of approval or rejection) *Harlan L. Nichols*  
(Signature of authorized individual; title or identification number)

7. TO BE COMPLETED ONLY BY CAA PERSONNEL

a.  Forwarded for engineering comment    See attached memorandum  
b.  Accepted 11-16-59 (Date)    Reinspected \_\_\_\_\_ (Date)    Spot Checked \_\_\_\_\_ (Date)

**Reg. 4 LA ASDO 20/**  
(OIA designation number) *Urban B. Hentch*  
(Signature Aviation Safety Agent)

### INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, power-plant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the CAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

**5. DESCRIPTION OF WORK ACCOMPLISHED.**

Installed Harec VHT-3 in same manner as previously approved in Aircraft E6352B dated 4/14/59 approved by F.W. Robinson FAA-20

**Weight & Balance Data**

Item	Weight	ARM	Moment
Airplane	1276.0	37.7	48105.2
VHT-3	10.0	16.0	160.0
	<u>1286.0</u>		<u>48265.2</u>

Nav E.W. G.G. 37.5  
 Max use ful load 914.0

**NOTHING FOLLOWS**

\*If additional space is needed attach additional sheets bearing aircraft nationality and registration mark and date work completed.  
 Check block if additional sheets are attached.

U. S. DEPARTMENT OF COMMERCE CIVIL AERONAUTICS ADMINISTRATION <b>APPLICATION FOR AIRWORTHINESS CERTIFICATE                  AND/OR ANNUAL INSPECTION OF AN AIRCRAFT</b>		Form Approved - Budget Bureau No. 41-20114 <b>INSTRUCTIONS</b> Please print or type. Submit this form to the Civil Aeronautics Administration Aviation Safety Field Representative.
<b>1. TYPE OF APPLICATION (Check which)</b> <input type="checkbox"/> ORIGINAL ISSUANCE OF CERTIFICATE <input checked="" type="checkbox"/> ANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE <input type="checkbox"/> AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE <input type="checkbox"/> RECERTIFICATION UNDER THE PROVISIONS OF CAR 9 <input type="checkbox"/> MULTIPLE CERTIFICATE UNDER THE PROVISIONS OF CAR 9		
<b>2. AIRWORTHINESS CLASSIFICATION (Check appropriate item(s))</b> It is requested that the Certificate of Airworthiness be issued to permit operation of the aircraft in the following air- worthiness classification(s): <input checked="" type="checkbox"/> STANDARD (NORMAL UTILITY, ACROBATIC, TRANSPORT CATEGORIES) <input type="checkbox"/> LIMITED (SEE CAR 9) <input type="checkbox"/> RESTRICTED (SEE CAR 9) (Check the restricted special purpose operation(s) to be conducted) <input type="checkbox"/> AGRICULTURAL AND PEST CONTROL <input type="checkbox"/> AERIAL ADVERTISING <input type="checkbox"/> AERIAL SURVEYING <input type="checkbox"/> GLIDER TOWING <input type="checkbox"/> PATROLLING <input type="checkbox"/> FOREST AND WILDLIFE CONSERVATION <input type="checkbox"/> WEATHER CONTROL <input type="checkbox"/> OTHER <input type="checkbox"/> EXPERIMENTAL (Check the type of experimental operation(s) to be conducted) <input type="checkbox"/> RESEARCH AND DEVELOPMENT <input type="checkbox"/> AMATEUR-BUILT <input type="checkbox"/> DEMONSTRATION <input type="checkbox"/> RACING <input type="checkbox"/> EXHIBITION <input type="checkbox"/> OTHER		
<b>3. AIRCRAFT IDENTIFICATION (Complete all items)</b>		
a. AIRCRAFT MAKE Cessna	b. AIRCRAFT MODEL 170B	c. AIRCRAFT SERIAL NO. 20434
a. ENGINE MAKE Continental	b. ENGINE MODEL C145-2	
<b>4. AIRCRAFT REGISTRATION INFORMATION (Complete all items)</b>		
a. REGISTERED OWNER'S FIRM NAME Western Flying Service	b. PERMANENT MAILING ADDRESS Winner, S.D. Dak.	c. AIRCRAFT NATIONALITY AND REGISTRATION MARK N-2282D
<b>5. AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate item)</b> I hereby certify that I am the registered owner (or his agent) of the aircraft identified in Item 3 above which is registered* with the Civil Aeronautics Administration as required by the Regulations of the Administrator, Part 501 or 502 and when operated displays the following evidence of registration: <input checked="" type="checkbox"/> CERTIFICATE OF REGISTRATION, FORM ACA-300 (PART A), DATE OF ISSUE <u>May 8, 1952</u> <input type="checkbox"/> APPLICATION FOR REGISTRATION, FORM ACA-300 (PART B), FORM ACA-300, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH; W-300 ON _____ (DATE) <input type="checkbox"/> DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DATED _____		
*In order to be eligible for registration an aircraft must be owned by a citizen of the United States, as defined by Section 1 (3) of the Civil Aeronautics Act of 1938, as amended.		
<b>ATTACHMENTS (Check which)</b> <input checked="" type="checkbox"/> ACA-319 <input type="checkbox"/> WEIGHT AND BALANCE REPORT <input type="checkbox"/> ACA-327 <input type="checkbox"/> DATA, DRAWINGS, ETC. <input type="checkbox"/> ACA-327 <input type="checkbox"/> UNAPPROVED DEVIATION DATA		Robert P. Wiley (SIGNATURE OF REGISTERED OWNER OR AUTHORIZED AGENT) 6/1/55 (DATE)

6-28-5

U. S. DEPARTMENT OF COMMERCE  
 CIVIL AERONAUTICS ADMINISTRATION

**AIRCRAFT INSPECTION REPORT**

(To be completed by a CAA representative or approved repair station)

The aircraft described in Item 3 on the reverse of this form has been inspected and found to conform to the following:  
 (Check and complete applicable items)

1. AIRCRAFT AND ENGINE CERTIFICATION BASIS
- AIRCRAFT SPECIFICATION NO. 799 THROUGH SHEET REVISION NO. 35
  - AIRCRAFT LISTING PAGE NO. \_\_\_\_\_
  - AIRWORTHINESS DIRECTIVE SUMMARY 55 Rev THROUGH CARD NO. 11
  - CIVIL AIR REGULATION PART 8 (MODIFIED TYPE CERTIFICATE)

2. AIRCRAFT AND ENGINE OPERATING RECORDS
- AIRCRAFT NEW—NO PREVIOUS OPERATION OR MAINTENANCE HISTORY
  - COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECTIVES RECORDED
  - AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEEN OPERATED A TOTAL OF 940.8 HOURS
  - ENGINE RECORDS INDICATE THE FOLLOWING OPERATION:
 

SERIAL NO. <u>6330-D-2-2</u>	TOTAL HOURS <u>940.8</u>
SERIAL NO. _____	TOTAL HOURS _____
SERIAL NO. _____	TOTAL HOURS _____

3. PREVIOUS INSPECTION RECORD (INSPECTION RECORDED ON FORM ACA-319)
- LAST AIRWORTHINESS INSPECTION CONDUCTED June 1, 1955 (DATE)
    - BY AIRCRAFT MANUFACTURER
    - BY APPROVED REPAIR STATION, CERTIFICATE NO. \_\_\_\_\_
    - BY MECHANIC, CERTIFICATE NO. A & E 11775
  - PERIODIC AIRCRAFT INSPECTION REPORT, FORM ACA-319, WAS RETURNED TO OWNER

4. AIRWORTHINESS DOCUMENTS ISSUED OR REVIEWED
- OPERATION LIMITATIONS, FORM ACA-308, WAS ISSUED (COPY ATTACHED)
  - CURRENT OPERATION LIMITATIONS, FORM ACA-308, IS AVAILABLE IN AIRCRAFT
  - CURRENT APPROVED AIRPLANE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT
  - CURRENT WEIGHT AND BALANCE INFORMATION IS AVAILABLE IN AIRCRAFT
  - THIS INSPECTION HAS BEEN RECORDED IN THE AIRCRAFT RECORDS
  - CERTIFICATE OF AIRWORTHINESS, FORM ACA-132, ISSUED TO EXPIRE June 1, 1956 (DATE)
  - PREVIOUS FORM ACA-132 WAS ISSUED TO EXPIRE May 26, 1955 (DATE)
- BY Cloyd C. Cannon Jr. (NAME OF ISSUING REPRESENTATIVE) 5221 (DESIGNATION NO.)

5. CAA APPROVED REPAIR STATION CERTIFICATION
- The aircraft described on the reverse has been inspected under the authority accorded certificated repair station No. \_\_\_\_\_ by CAR 82 and was found to be:
- AIRWORTHY
  - UNAIRWORTHY
- (REPAIR STATION AUTHORIZED SIGNATURE) \_\_\_\_\_ (DATE) \_\_\_\_\_

6. CAA REPRESENTATIVE CERTIFICATION

I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE REVERSE AND FOUND IT  AIRWORTHY  UNAIRWORTHY (Check appropriate item)

DESIGNER'S SIGNATURE <u>Robert R. Wiley Jr.</u>	DESIGNATION NO. <u>5245</u>	DATE <u>6/1/55</u>	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REINSPECTED <input type="checkbox"/> SPOT CHECKED
AVIATION SAFETY AGENT'S SIGNATURE <u>Stat. Pieger</u>	CAA DESIGNATION NO. <u>Reg. 3 KC</u>	DATE <u>6-10-55</u>	
ATTACHMENT _____		ASDO 16	

RECEIVED  
 JUN 15 10 24 AM '55  
 ADMINS RECORDS DIVISION  
 W-300

57

U. S. DEPARTMENT OF COMMERCE CIVIL AERONAUTICS ADMINISTRATION <b>APPLICATION FOR AIRWORTHINESS CERTIFICATE                  AND/OR ANNUAL INSPECTION OF AN AIRCRAFT</b>		Form Approved Budget Bureau No. 41-800.5 <b>INSTRUCTIONS</b> Please print or type. Submit this form to the Civil Aeronautics Administration Aviation Safety Field Representative.	
1. TYPE OF APPLICATION (Check which)			
<input type="checkbox"/> ORIGINAL ISSUANCE OF CERTIFICATE <input checked="" type="checkbox"/> ANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE <input type="checkbox"/> AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE		<input type="checkbox"/> RECERTIFICATION UNDER THE PROVISIONS OF CAR 8 <input type="checkbox"/> MULTIPLE CERTIFICATE UNDER THE PROVISIONS OF CAR 8 <input type="checkbox"/>	
2. AIRWORTHINESS CLASSIFICATION (Check appropriate item(s)) It is requested that the Certificate of Airworthiness be issued to permit operation of the aircraft in the following air- worthiness classification(s):			
<input checked="" type="checkbox"/> STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CATEGORIES) <input type="checkbox"/> LIMITED (SEE CAR 9) <input type="checkbox"/> RESTRICTED (SEE CAR 10)			
(Check the restricted special purpose operation(s) to be conducted)			
<input type="checkbox"/> AGRICULTURAL AND PEST CONTROL <input type="checkbox"/> AERIAL ADVERTISING <input type="checkbox"/> AERIAL SURVEYING <input type="checkbox"/> GLIDER TOWING		<input type="checkbox"/> PATROLLING <input type="checkbox"/> FOREST AND WILDLIFE CONSERVATION <input type="checkbox"/> WEATHER CONTROL <input type="checkbox"/> OTHER	
<input type="checkbox"/> EXPERIMENTAL (Check the type of experimental operation(s) to be conducted)			
<input type="checkbox"/> RESEARCH AND DEVELOPMENT <input type="checkbox"/> AMATEUR-BUILT <input type="checkbox"/> DEMONSTRATION		<input type="checkbox"/> RACING <input type="checkbox"/> EXHIBITION <input type="checkbox"/> OTHER	
3. AIRCRAFT IDENTIFICATION (Complete all items)			
a. AIRCRAFT MAKE Cessna		b. AIRCRAFT MODEL 170B	c. AIRCRAFT SERIAL NO. 20434
2. ENGINE MAKE Continental		e. ENGINE MODEL C-145-2	
4. AIRCRAFT REGISTRATION INFORMATION (Complete all items)			
a. REGISTERED OWNER'S FULL NAME Western Flying Service		b. PERMANENT MAILING ADDRESS Winner, S. Dak.	c. AIRCRAFT NATIONALITY AND REGISTRATION MARK N 2282D
5. AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate item)			
I hereby certify that I am the registered owner (or his agent) of the aircraft identified in Item 3 above which is registered* with the Civil Aeronautics Administration as required by the Regulations of the Administrator, Part 501 or 502 and when operated displays the following evidence of registration:			
<input checked="" type="checkbox"/> CERTIFICATE OF REGISTRATION, FORM ACA-300 (PART A), DATE OF ISSUE <u>May 8, 1952</u>			
<input type="checkbox"/> APPLICATION FOR REGISTRATION, FORM ACA-300 (PART B), FORM ACA-300, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, W-300 ON _____			
<input type="checkbox"/> DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DATED _____			
*In order to be eligible for registration an aircraft must be owned by a citizen of the United States, as defined by Section 1 (23) of the Civil Aeronautics Act of 1930, as amended.			
ATTACHMENTS (Check which)		Signature of Registered Owner or Authorized Agent <u>Chyde Cannon Jr.</u> (DATE) <u>May 26, 1954</u> (TITLE) <u>Authorized Agent</u>	
<input checked="" type="checkbox"/> ACA-319 WEIGHT AND BALANCE REPORT <input type="checkbox"/> ACA-327 DATA, DRAWINGS, ETC. <input type="checkbox"/> ACA-317 UNAPPROVED DEVIATION DATA			

new  
7-7-4

JP

U. S. DEPARTMENT OF COMMERCE  
 CIVIL AERONAUTICS ADMINISTRATION  
**AIRCRAFT INSPECTION REPORT**  
 (To be completed by a CAA representative or approved repair station)

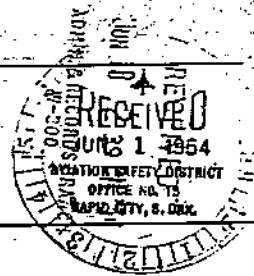
The aircraft described in Item 3 on the reverse of this form has been inspected and found to conform to the following:  
 (Check and complete applicable items)

1. AIRCRAFT AND ENGINE CERTIFICATION BASIS
- a.  AIRCRAFT SPECIFICATION NO. A-799 THROUGH SHEET REVISION NO. 30
  - b.  AIRCRAFT LISTING PAGE NO. \_\_\_\_\_
  - c.  AIRWORTHINESS DIRECTIVE SUMMARY 1953 THROUGH CARD 54-70-54-70
  - d.  CIVIL AIR REGULATION PART 3 (MODIFIED TYPE CERTIFICATE)

2. AIRCRAFT AND ENGINE OPERATING RECORDS
- a.  AIRCRAFT NEW—NO PREVIOUS OPERATION OR MAINTENANCE HISTORY
  - b.  COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECTIVES RECORDED
  - c.  AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEEN OPERATED A TOTAL OF 697.4 HOURS
  - d.  ENGINE RECORDS INDICATE THE FOLLOWING OPERATION:
 

SERIAL NO. <u>6330-D-2-2</u>	TOTAL HOURS <u>697.4</u>
SERIAL NO. _____	TOTAL HOURS _____
SERIAL NO. _____	TOTAL HOURS _____
SERIAL NO. _____	TOTAL HOURS _____

3. PREVIOUS INSPECTION RECORD (INSPECTION RECORDED ON FORM ACA-319)
- a. LAST AIRWORTHINESS INSPECTION CONDUCTED May 26, 1954
    - BY AIRCRAFT MANUFACTURER
    - BY APPROVED REPAIR STATION, CERTIFICATE NO. \_\_\_\_\_
    - BY MECHANIC, CERTIFICATE NO. A&E 281983
  - b.  PERIODIC AIRCRAFT INSPECTION REPORT, FORM ACA-319, WAS RETURNED TO OWNER



4. AIRWORTHINESS DOCUMENTS ISSUED OR REVIEWED
- a.  OPERATION LIMITATIONS, FORM ACA-308, WAS ISSUED (COPY ATTACHED)
  - b.  CURRENT OPERATION LIMITATIONS, FORM ACA-308, IS AVAILABLE IN AIRCRAFT
  - c.  CURRENT APPROVED AIRPLANE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT
  - d.  CURRENT WEIGHT AND BALANCE INFORMATION IS AVAILABLE IN AIRCRAFT
  - e.  THIS INSPECTION HAS BEEN RECORDED IN THE AIRCRAFT RECORDS
  - f.  CERTIFICATE OF AIRWORTHINESS, FORM ACA-1362, ISSUED TO EXPIRE May 26, 1955
  - g.  PREVIOUS FORM ACA-1362 WAS ISSUED TO EXPIRE June 1, 1954
    - BY Robert R. Wiley, Jr. (NAME OF ISSUING REPRESENTATIVE)
    - 0645 (DESIGNATION NO.)

5. CAA APPROVED REPAIR STATION CERTIFICATION

The aircraft described on the reverse has been inspected under the authority accorded certificated repair station No. \_\_\_\_\_ by CAR 52 and was found to be:

AIRWORTHY  
 UNAIRWORTHY

(REPAIR STATION AUTHORIZED SIGNATURE) \_\_\_\_\_ (DATE) \_\_\_\_\_

6. CAA REPRESENTATIVE CERTIFICATION

I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE REVERSE AND FOUND IT:  AIRWORTHY  UNAIRWORTHY  
 (Check appropriate item)

DESIGNER'S SIGNATURE <i>Chas. E. Cannon</i>	DESIGNATION NO. 5221	DATE 5/26/54	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REINSPECTED <input type="checkbox"/> SPOT CHECKED
AVIATION SAFETY AGENT'S SIGNATURE <i>Fred Rieger</i>	CAA DESIGNATION NO. Reg. 3 KC ASDO 16	DATE 6-9-54	
<input type="checkbox"/> ATTACHMENT			

Form Approved: Flight Bureau No. 41-B041A  
10-200 3-57

U.S. DEPARTMENT OF COMMERCE CIVIL AERONAUTICS ADMINISTRATION <b>APPLICATION FOR AIRWORTHINESS CERTIFICATE AND/OR ANNUAL INSPECTION OF AN AIRCRAFT</b>		<b>INSTRUCTIONS</b> Please print or type. Submit this form to the Civil Aeronautics Administration Aviation Safety Field Representative.	
<b>1. TYPE OF APPLICATION (Check all that apply)</b>			
<input type="checkbox"/> ORIGINAL ISSUANCE OF CERTIFICATE <input checked="" type="checkbox"/> ANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE <input type="checkbox"/> AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE		<input type="checkbox"/> RECERTIFICATION UNDER THE PROVISIONS OF CAR 3 <input type="checkbox"/> MULTIPLE CERTIFICATE UNDER THE PROVISIONS OF CAR 3 <input type="checkbox"/>	
<b>2. AIRWORTHINESS CLASSIFICATION (Check appropriate item(s))</b> It is requested that the Certificate of Airworthiness be issued to permit operation of the aircraft in the following airworthiness classification(s):			
<input checked="" type="checkbox"/> STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CATEGORIES) <input type="checkbox"/> LIMITED (SEE CAR 3) <input type="checkbox"/> RESTRICTED (SEE CAR 3) (Check the restricted special purpose operation(s) to be conducted)		<input type="checkbox"/> PATROLLING <input type="checkbox"/> FOREST AND WILDLIFE CONSERVATION <input type="checkbox"/> WEATHER CONTROL <input type="checkbox"/> OTHER	
<input type="checkbox"/> AGRICULTURAL AND PEST CONTROL <input type="checkbox"/> AERIAL ADVERTISING <input type="checkbox"/> AERIAL SURVEYING <input type="checkbox"/> GLIDER TOWING		<input type="checkbox"/> RACING <input type="checkbox"/> EXHIBITION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> EXPERIMENTAL (Check the type of experimental operation(s) to be conducted)			
<input type="checkbox"/> RESEARCH AND DEVELOPMENT <input type="checkbox"/> AMATEUR-BUILT <input type="checkbox"/> DEMONSTRATION			
<b>3. AIRCRAFT IDENTIFICATION (Complete all items)</b>			
a. AIRCRAFT MAKE Cessna		b. AIRCRAFT MODEL 170B	c. AIRCRAFT SERIAL NO. 20434
d. ENGINE MAKE Continental		e. ENGINE MODEL 6330-D-2-2	
<b>4. AIRCRAFT REGISTRATION INFORMATION (Complete all items)</b>			
a. REGISTERED OWNER'S FULL NAME Western Flying Service		b. PERMANENT MAILING ADDRESS Winner South Dakota	c. AIRCRAFT NATIONALITY AND REGISTRATION MARK N-2282D
<b>5. AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate items)</b> I hereby certify that I am the registered owner (or his agent) of the aircraft identified in Item 3 above which is registered with the Civil Aeronautics Administration as required by the Regulations of the Administrator, Part 501 or 502 and when operated displays the following evidence of registration:			
<input checked="" type="checkbox"/> CERTIFICATE OF REGISTRATION, FORM ACA-300 (PART A), DATE OF ISSUE <u>May 8, 1952</u>			
<input type="checkbox"/> APPLICATION FOR REGISTRATION, FORM ACA-300 (PART B), FORM ACA-300, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, W-300 ON _____ (DATE)			
<input type="checkbox"/> DEALER'S REGISTRATION CERTIFICATE, FORM ACA-100, DATED _____ (DATE)			
<small>*In order to be eligible for registration an aircraft must be owned by a citizen of the United States, as defined by Section 1 (13) of the Civil Aeronautics Act of 1926, as amended.</small>			
<b>ATTACHMENTS (Check which)</b>		Robert A. Wiley (SIGNATURE OF REGISTERED OWNER OR AUTHORIZED AGENT)	
<input checked="" type="checkbox"/> ACA-318 <input type="checkbox"/> WEIGHT AND BALANCE REPORT <input type="checkbox"/> ACA-317 <input type="checkbox"/> DATA, DRAWINGS, ETC. <input type="checkbox"/> ACA-317 <input type="checkbox"/> UNAPPROVED DEVIATION DATA		6/1/53 (DATE)	
		Agent (TITLE)	



6-11-53  
C-145-2  
11-10-53  
best case  
22 on record  
number case

AB

U.S. DEPARTMENT OF COMMERCE  
 CIVIL AVIATION ADMINISTRATION

**AIRCRAFT INSPECTION REPORT**  
 (To be completed by a CAA representative or approved repair station)

The aircraft described in Item 3 on the reverse of this form has been inspected and found to conform to the following:

1. AIRCRAFT AND ENGINE CERTIFICATION BASIS  
 a.  AIRCRAFT SPECIFICATION NO. 799 THROUGH SHEET REVISION NO. 24  
 b.  AIRCRAFT LISTING PAGE NO. \_\_\_\_\_  
 c.  AIRWORTHINESS DIRECTIVE SUMMARY 1053 THROUGH CARD NO. 10  
 (YEAR)  
 d.  CIVIL AIR REGULATION PART 4 (MODIFIED TYPE CERTIFICATE)

2. AIRCRAFT AND ENGINE OPERATING RECORDS  
 a.  AIRCRAFT NEW—NO PREVIOUS OPERATION OR MAINTENANCE HISTORY  
 b.  COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECTIVES RECORDED  
 c.  AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEEN OPERATED A TOTAL OF 461.7 HOURS  
 d.  ENGINE RECORDS INDICATE THE FOLLOWING OPERATION:  
 SERIAL NO. 6330-D-2-2 TOTAL HOURS 461.7  
 SERIAL NO. \_\_\_\_\_ TOTAL HOURS \_\_\_\_\_  
 SERIAL NO. \_\_\_\_\_ TOTAL HOURS \_\_\_\_\_  
 SERIAL NO. \_\_\_\_\_ TOTAL HOURS \_\_\_\_\_

3. PREVIOUS INSPECTION RECORD (INSPECTION RECORDED ON FORM ACA-319)  
 a. LAST AIRWORTHINESS INSPECTION CONDUCTED June 1, 1953 (DATE)  
 BY AIRCRAFT MANUFACTURER  
 BY APPROVED REPAIR STATION, CERTIFICATE NO. \_\_\_\_\_  
 BY MECHANIC, CERTIFICATE NO. A & E 11775  
 b.  PERIODIC AIRCRAFT INSPECTION REPORT, FORM ACA-319, WAS RETURNED TO OWNER

4. AIRWORTHINESS DOCUMENTS ISSUED OR REVIEWED  
 a.  OPERATION LIMITATIONS, FORM ACA-309, WAS ISSUED (COPY ATTACHED)  
 b.  CURRENT OPERATION LIMITATIONS, FORM ACA-309, IS AVAILABLE IN AIRCRAFT  
 c.  CURRENT APPROVED AIRPLANE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT  
 d.  CURRENT WEIGHT AND BALANCE INFORMATION IS AVAILABLE IN AIRCRAFT  
 e.  THIS INSPECTION HAS BEEN RECORDED IN THE AIRCRAFT RECORDS  
 f.  CERTIFICATE OF AIRWORTHINESS, FORM ACA-101, ISSUED TO EXPIRE June 1, 1954 (DATE)  
 g.  PREVIOUS FORM ACA-102 WAS ISSUED TO EXPIRE March 27, 1953 (DATE)  
 BY Doras e. Hillman (NAME OF ISSUING REPRESENTATIVE) 5006 (DESIGNATION NO.)

RECEIVED  
 JUN 10 1 57 PM '53  
 AIRCRAFT RECORDS DIVISION  
 W-300

5. CAA APPROVED REPAIR STATION CERTIFICATION  
 The aircraft described on the reverse has been inspected under the authority accorded certificated repair station No. \_\_\_\_\_ by CAR 52 and was found to be:  
 AIRBORNE  
 UNAIRBORNE  
 (REPAIR STATION AUTHORIZED SIGNATURE) (DATE)

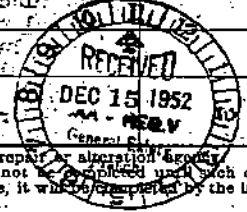
6. CAA REPRESENTATIVE CERTIFICATION  
 I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE REVERSE AND FOUND IT  AIRWORTHY  UNAIRWORTHY  
 (Check appropriate item.)

DESIGNER'S SIGNATURE <u>Robert R. Wiley Jr.</u>	DESIGNATION NO. <u>5245</u>	DATE <u>6/1/53</u>	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REINSPECTED <input type="checkbox"/> SPOT CHECKED
AVIATION SAFETY AGENT'S SIGNATURE <u>Conrad B. Miller</u>	CAA DESIGNATION NO. <u>14-250-1-8</u>	DATE <u>6/1/53</u>	

ATTACHMENT

B-5-579M

U. S. DEPARTMENT OF COMMERCE CIVIL AERONAUTICS ADMINISTRATION				Form approved Budget Bureau No. 41-8824	
MAJOR REPAIR AND ALTERATION FORM (AIRFRAME, POWERPLANT, PROPELLER OR APPLIANCE)					
1. AIRCRAFT	MAKE <b>Cessna</b>	MODEL <b>170B</b>	SERIAL NO. <b>20134</b>	NATIONALITY AND REGISTRATION MARK <b>N2282D (STANDARD)</b>	
2. OWNER	NAME (Firm, middle, last) <b>Western Flying Service</b>		ADDRESS (Street and number, city, zone and State) <b>Winner, South Dakota</b>		
3. COMPLETE ONLY FOR UNIT REPAIRED AND/OR ALTERED. DESCRIBE WORK ACCOMPLISHED ON REVERSE IN ACCORDANCE WITH CIVIL AERONAUTICS MANUAL 18.					
	UNIT	MAKE	MODEL	SERIAL NO.	NATURE OF WORK (Check)
					MAJOR REPAIR    MAJOR ALTERATION
4. AIRFRAME	As described in item 1 above				<input checked="" type="checkbox"/>
5. POWERPLANT					
6. PROPELLER					
7. APPLIANCE	TYPE AND MANUFACTURER				
4. AIRCRAFT WEIGHT AND BALANCE DATA <small>"AFTER the repairs and/or alterations described below were made."</small>					
CATEGORY		EMPTY WEIGHT (Pounds)	EMPTY CENTER OF GRAVITY (Inches from datum)	USEFUL LOAD (Pounds)	
STANDARD		<b>1276.0</b>	<b>37.7</b>	<b>924.0</b>	
5. CONFORMITY STATEMENT (Complete and check)					
a. AGENCY'S NAME AND ADDRESS		b. KIND OF AGENCY		c. CERTIFICATE NO.	
<b>Robert R. Wiley, Jr. Winner, South Dakota</b>		<input checked="" type="checkbox"/> U. S. Certified Mechanic. <input type="checkbox"/> Foreign Certified Mechanic. <input type="checkbox"/> Certified Repair Station. <input type="checkbox"/> Manufacturer. <input type="checkbox"/> (Check if repair or alteration was made under delegation option procedures.)		<b>AAS-11775</b>	
I certify that the repair and/or alteration made to the unit(s) identified under item 3 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 18 of the U. S. Civil Air Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
<b>December 1, 1952</b> <small>(Date repair and/or alteration completed)</small>		<i>Robert R. Wiley, Jr.</i> <small>(Signature of authorized individual)</small>			
6. APPROVAL FOR RETURN TO SERVICE (Check and complete appropriate items)					
Pursuant to the authority specified below the unit identified in item 3 was inspected in the manner prescribed by the Administrator and is					
<input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED		BY <input type="checkbox"/> CAA Designee <input type="checkbox"/> Manufacturer <input type="checkbox"/> Canadian Department of Transport Inspector of Aircraft <input checked="" type="checkbox"/> CAA Aviation Safety Agent <input type="checkbox"/> Repair Station <input type="checkbox"/> Other (Specify)			
<u>12/1/52</u> <small>(Date of approval or rejection)</small>		<i>Conan B. Mueller</i> <u>5-579M-8</u> <small>(Signature of authorized individual; title or identification number)</small>			
7. TO BE COMPLETED ONLY BY CAA PERSONNEL					
<input type="checkbox"/> Forwarded for engineering comment <input type="checkbox"/> See attached memorandum <input checked="" type="checkbox"/> Accepted <input checked="" type="checkbox"/> Reinspected <input type="checkbox"/> Spot Checked					
<u>5-579M-8</u> <small>(CAA designation number)</small>		<i>Conan B. Mueller</i> <small>(Signature Aviation Safety Agent)</small>			



### INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, power-plant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the CAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

#### 5. DESCRIPTION OF WORK ACCOMPLISHED.

Installed Chinook model 40 heater kit, serial #C-2.

The existing heating system has been converted to a high output system the same as used, and CAA approved, for the 145 Continental engine in the Aeronca 15AC Sedan. Both new heater muffers are constructed of .050 aluminum with the fittings welded on. The muffers are held in place with hose clamps. The small collar on the original Cessna heat box on the left forward side of the firewall was cut out and a three inch collar was riveted in its place. On the left side, the original air intake to the muff was used. The original two inch flexible heat tube from the muff to the heater box on the left side was replaced with three inch flexible tube. The opening in the deflector in the cabin was enlarged. The original flexible tube is used for the cold air inlet for the right muff. The outlet was changed to incorporate an outlet which allows the heat to enter the rear seat heater. The original two inch carburetor heat tube was used for carburetor heat. Cabin heat valve is connected to heat muff with two inch flexible tube.

The cabin heat is controlled with a valve placed on the lower right corner of the firewall. The valve is the same as that used on Aeronca 15AC Sedan aircraft for the rear seat heater. After the heat passes through the valve box, it travels through a short flexible tube to an aluminum tunnel one and one-quarter inches high by three and one-half inches wide that passes under the right front seat. The tunnel rests on an aluminum and asbestos panel on the floor. The rear seat heat box is controlled from the instrument panel with a Bowden cable control. Placard installed over cabin heat control knob: "CLOSE WHEN CARB. HEAT OFF".

Air ducts are of Altrion 941.

An .050 aluminum plate was placed over the carburetor air spill and a new air spill is provided on the cabin valve. This plate is equipped with a drain hole to drain excessive gasoline from the carburetor heat box.

Heater valve control is an S. P. Co. type 3A700-CAA.

Weight change negligible.

\*If additional space is needed attach additional sheets bearing aircraft nationality and registration mark and date work completed.  
Check block if additional sheets are attached.



