

UNITED STATES OF AMERICA — FEDERAL AVIATION AGENCY

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N1422G	Beech 35-B33	00448	Utility

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions: **None**

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE EXCHANGED 1-11-62	FAA REPRESENTATIVE <i>Richard L. Porter</i> Richard L. Porter	DESIGNATION NUMBER GE-GADO-8
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Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

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UNITED STATES OF AMERICA
FEDERAL AVIATION AGENCY

CERTIFICATE OF AIRWORTHINESS

1. NATIONALITY AND REGISTRATION MARKS

N1422G

2. AIRCRAFT AIRWORTHINESS CLASSIFICATION

STANDARD

3. This Certificate of Airworthiness is issued pursuant to the Federal Aviation Act of 1958. The aircraft identified hereon is considered airworthy when maintained and operated in accordance with the Civil Air Regulations and applicable aircraft Operation Limitations. Issued under the provisions of Part 410.

4. This Certificate will remain in effect as long as the aircraft is maintained in accordance with Part 43 of the Civil Air Regulations unless surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Agency.

5. DATE OF ISSUANCE

Jan. 11, 1962

6. FAA REPRESENTATIVE

C. W. Wimer
for Chester A. Rembleske

7. DESIGNATION NO.

DMCR 3-2

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



U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

Form Approved. Budget Bureau No. 41-R041.5.

**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)

- a. ORIGINAL ISSUANCE OF CERTIFICATE
 b. ANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE
 c. AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE
 d. RECERTIFICATION UNDER THE PROVISIONS OF CAR 8
 e. MULTIPLE CERTIFICATE UNDER THE PROVISIONS OF CAR 8
 f.

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):

- a. STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CATEGORIES)
 b. LIMITED (SEE CAR 9)
 c. RESTRICTED (SEE CAR 8)
 (Check the restricted special purpose operation(s) to be conducted)
 AGRICULTURAL AND PEST CONTROL
 AERIAL ADVERTISING
 AERIAL SURVEYING
 GLIDER TOWING
 PATROLLING
 FOREST AND WILDLIFE CONSERVATION
 WEATHER CONTROL
 OTHER
 d. EXPERIMENTAL
 (Check the type of experimental operation(s) to be conducted)
 RESEARCH AND DEVELOPMENT
 AMATEUR-BUILT
 DEMONSTRATION
 RACING
 EXHIBITION
 OTHER

3. AIRCRAFT IDENTIFICATION (Complete all items)

a. AIRCRAFT MAKE BEECHCRAFT	b. AIRCRAFT MODEL 35-B33	c. AIRCRAFT SERIAL NO. CD-448
d. ENGINE MAKE Continental	e. ENGINE MODEL IO-470-K	

4. AIRCRAFT REGISTRATION INFORMATION (Complete all items)

a. REGISTERED OWNER'S FULL NAME BEECH AIRCRAFT CORPORATION	b. PERMANENT MAILING ADDRESS Wichita, Kansas	c. AIRCRAFT NATIONALITY AND REGISTRATION MARK N-1422G
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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:

- a. CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A). DATE OF ISSUE _____
 b. APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B). FORM ACA-500, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, W-300 ON _____ (DATE)
 c. DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DATED Sept. 18, 1962

*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 1938, as amended.

ATTACHMENTS (Check which)

- ACA-319 WEIGHT AND BALANCE REPORT
 ACA-337 DATA, DRAWINGS, ETC.
 ACA-317 UNAPPROVED DEVIATION DATA

C. F. Grace
 C. F. Grace
 (SIGNATURE OF REGISTERED OWNER OR AUTHORIZED AGENT)

Jan. 11, 1962
 (DATE)

Foreman - Final & Flight
 Inspection (TITLE)

A.C.U.
 FEB 27 1962

62
 [Handwritten initials and notes]



**AIRCRAFT AND AIRPORT RECORDS BRANCH
U.S. DEPARTMENT OF COMMERCE
FAA
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. 3015
 b. AIRCRAFT LISTING PAGE NO. 20
 c. AIRWORTHINESS DIRECTIVE SUMMARY 1960-26 THROUGH CARD NO. 61-26
 d. CIVIL AIR REGULATION PART B (MODIFIED TYPE CERTIFICATE) (YEAR)

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 _____ HOURS
 d. ENGINE RECORDS INDICATE THE FOLLOWING OPERATION:
 SERIAL NO. _____ TOTAL HOURS _____
 SERIAL NO. _____ TOTAL HOURS _____
 SERIAL NO. _____ TOTAL HOURS _____
 SERIAL NO. _____ TOTAL HOURS _____

3. PREVIOUS INSPECTION RECORD (INSPECTION RECORDED ON FORM AOA-319)
 a. LAST AIRWORTHINESS INSPECTION CONDUCTED _____ (DATE)
 BY AIRCRAFT MANUFACTURER
 BY APPROVED REPAIR STATION, CERTIFICATE NO. _____
 BY MECHANIC, CERTIFICATE NO. _____
 b. PERIODIC AIRCRAFT INSPECTION REPORT, FORM AOA-319, WAS RETURNED TO OWNER

4. AIRWORTHINESS DOCUMENTS ISSUED OR REVIEWED
 a. OPERATION LIMITATIONS, FORM AOA-309, WAS ISSUED (COPY ATTACHED)
 b. CURRENT OPERATION LIMITATIONS, FORM AOA-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 AOA-1362, ISSUED TO EXPIRE Indefinite (DATE)
 g. PREVIOUS FORM AOA-1362 WAS ISSUED TO EXPIRE _____ (DATE)
 h. BY _____ (NAME OF ISSUING REPRESENTATIVE) (DESIGNATION NO.) _____

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)

DESIGNER'S SIGNATURE <u>[Signature]</u> AVIATION SAFETY AGENT'S SIGNATURE For Chester A. Remboldske	DESIGNATION NO. <u>DMCR 3-2</u> CAA DESIGNATION NO. <u>Jan 11, 1962</u>	DATE <u>Jan 11, 1962</u> DATE <u>Jan 11, 1962</u>
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ATTACHMENT
 SPOT CHECKED
 REINSPECTED
 ACCEPTED

Verified by Operator *1-2-64*

FEDERAL AVIATION AGENCY

Form approved. Budget Bureau No. 41-80524.

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

1. AIRCRAFT	MAKE Beech	MODEL 35-B33	SERIAL NO. CD-448	NATIONALITY AND REGISTRATION MARK N1422G
2. OWNER	NAME (First, middle, last) FONTANA AVIATION, INC.		ADDRESS (Street and number, city, zone and State) FORD AIRPORT IRON MOUNTAIN, MICHIGAN	

3. COMPLETE ONLY FOR UNIT REPAIRED AND/OR ALTERED. DESCRIBE WORK ACCOMPLISHED ON REVERSE IN ACCORDANCE WITH CIVIL AERONAUTICS MANUAL 18. 2

UNIT	MAKE	MODEL	SERIAL NO.	NATURE OF WORK (Check)	
				MAJOR REPAIR	MAJOR ALTERATION
a. AIRFRAME	RECEIVED <i>(As described in item 1 above)</i>				X
b. POWERPLANT	<i>101964</i>				
c. PROPELLER					
d. APPLIANCE	TYPE AND MANUFACTURER <i>copy</i>				

4. AIRCRAFT WEIGHT AND BALANCE DATA **AFTER the repairs and/or alterations described below were made.* 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)*
Standard	1884	78.61	1116

5. CONFORMITY STATEMENT (Complete and check)

a. AGENCY'S NAME AND ADDRESS Fontana Aviation, Inc. Ford Airport Iron Mountain, Michigan	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. <input type="checkbox"/> (Check if repair or alteration was made under delegation option procedures.)	c. CERTIFICATE NO. A & E 159698
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d. 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.

1-9-64
(Date repair and/or alteration completed) *Louis J. Mosca*
(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 of the Federal Aviation Agency and is

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

1-9-64
(Date of approval or rejection) *Louis J. Mosca* A & E 159698
(Signature of authorized individual; title or identification number)

7. TO BE COMPLETED ONLY BY FAA PERSONNEL

a. Forwarded for engineering comment See attached memorandum

b. Accepted *1-10-64* (Date) Reinspected _____ (Date) Spot Checked _____ (Date)

Reviewed by
H. D. Brordick
CE-CADO-13
(FAA designation number) *3-13*
Gerald D. Brordick
(Signature Flight Standards Inspector)

38 JAN 21 1964

MICRO 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 8 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.

8. DESCRIPTION OF WORK ACCOMPLISHED.*

Installed B-12 Whelen Rotating Beacon as per
C.A.M.-18, Figure 12-2 & Electrical Cable Chart 12-1.

<u>Item</u>	<u>Weight</u>	<u>Arm</u>	<u>Movement</u>
Aircraft	1883.0	78.59	148,002
B-12 Beacon	1	182.0	182
	1884		148,184

$$148184 \div 1884 = 78.61$$

$$\begin{aligned} \text{Electrical Load } 31.5 & \div 10\% = 34.65 \text{ Amp.} \\ 50 \text{ Amp Generator } \times 80\% & = 40.0 \text{ Amps.} \end{aligned}$$

*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.

AUG 20 1963

FEDERAL AVIATION AGENCY 216 2436

Form approved. Budget Bureau No. 04-R060.

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

1. AIRCRAFT	MAKE BEECH	MODEL BEECH 35-B33	SERIAL NO. CD-448	NATIONALITY AND REGISTRATION MARK 014229
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2. OWNER	NAME (First, middle, last) FONTANA AVIATION, INC.	ADDRESS (Street and number, city, zone and State) FORD AIRPORT IRON MOUNTAIN, MICH.
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3. COMPLETE ONLY FOR UNIT REPAIRED AND/OR ALTERED. DESCRIBE WORK ACCOMPLISHED ON REVERSE IN ACCORDANCE WITH CIVIL AERONAUTICS MANUAL 18.

RECEIVED
JUL 18 1963

	MAKE	MODEL	SERIAL NO.	NATURE OF WORK (Check)	
				MAJOR REPAIR	MAJOR ALTERATION
a. AIRFRAME	***** (As described in item 1 above) *****				X
b. POWERPLANT					
c. PROPELLER					
d. APPLIANCE	TYPE AND MANUFACTURER	Date <u>7-13-63</u> <u>Arnold D. Broadhead</u> FAA Inspector			

4. AIRCRAFT WEIGHT AND BALANCE DATA *AFTER the repairs and/or alterations described below were made. 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)*
STANDARD	1883	78.59	1117

5. CONFORMITY STATEMENT (Complete and check)

a. AGENCY'S NAME AND ADDRESS AIRCRAFT ELECTRONIC SPECIALISTS, INC. P. O. BOX 824 OSHKOSH, WISCONSIN	b. KIND OF AGENCY <input type="checkbox"/> U. S. Certificated Mechanic. <input type="checkbox"/> Foreign Certificated Mechanic. <input checked="" type="checkbox"/> Certificated Repair Station. <input type="checkbox"/> Manufacturer. <input type="checkbox"/> (Check if repair or alteration was made under delegation option procedures.)	c. CERTIFICATE NO. 3775 RADIO CLASS I & II
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d. 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.

7-13-63 (Date repair and/or alteration completed) Richard J. Ireland Airframe Insp (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 of the Federal Aviation Agency and is

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

7-13-63 (Date of approval or rejection) Richard J. Ireland Airframe Insp (Signature of authorized individual; title or identification number)

7. TO BE COMPLETED ONLY BY FAA PERSONNEL

a. Forwarded for engineering comment See attached memorandum

b. Accepted 7-18-63 (Date) Reinspected _____ (Date) Spot Checked _____ (Date)

Reviewed by H. D. Broadhead 3-13
CE-GADO-13 (FAA designation number) Arnold D. Broadhead (Signature Flight Standards Inspector)

MICRO INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of 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.

8. DESCRIPTION OF WORK ACCOMPLISHED.

Installed King KX-150 Director. Unit secured to panel with (4) AN526-832 screws and rivnuts to existing Beech radio panel and secured in rear by (2) AN528-632 screws and stop nuts with a formed .032-2024T3 aluminum angle. VTP-17 antenna mounted to top of fuselage with formed beef plate as per CAM 18,30 applicable sections.

Units static tested at 3.0G up, 9.0G forward, 1.5G sideward and 6.6G rearward. Compass swung and deviation card installed.

Electrical drain as follows:

Total current drain: 28 amp total \times 10% = 30.8 amps
 Total generator cap: 50 amp gen \times 80% = 40.0 "

WEIGHT AND BALANCE:

<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
Aircraft	1872	78.6	147129
King KX-150	8.5	63	535.5
VTP-17 Antenna	1.0	195	195.0
Beef plates	<u>1.5</u>	<u>95</u>	<u>142.5</u>
	1883.0	78.59	148,002.0

OKLAHOMA CITY, OKLA.

JUL 26 12 40 PM '63

FEDERAL AVIATION
 AGENCY - AIRCRAFT
 REGISTRATION OFFICE

*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.