FAA AIRCRAFT REGISTRY
CAMERA NO. 1 DATE: 9/04/90

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION
MSP GADO

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

1. AIRCRAFT	MAKE: CESSNA	MODEL: 150
	SERIAL NO.: 15074709	NATIONALITY AND REGISTRATION MARK: N7641G
2. OWNER	NAME (As shown on registration certificate): MERCIER, GERALD	ADDRESS (As shown on registration certificate): 2201 WEST 69th ST. RICHFIELD MN. 55423

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE: REPAIR	5. TYPE: ALTERATION
AIRFRAME	(As described in item 1 above)				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
EAGLE AVIATION 3101 HWY 21. W. FARIBAULT MN. 55021	U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC X CERTIFICATED REPAIR STATION MANUFACTURER	C14-56

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE: 8/4/89
SIGNATURE OF AUTHORIZED INDIVIDUAL: [signature]

7. APPROVAL FOR RETURN TO SERVICE

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

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	X	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
8/4/89	C14-56	[signature]

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 1 DATE 9/04/90

NOTICE

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

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

Installed ACK A-30 Blind altitude reporter in accordance with ACK and NARCO installa-
-tion manuels AC43.13-1A chapter 11,16 AC43.13-2A chapter 2.
Transponder AT50A TSO C74b, altimeter United instruments P/N: 5934P A56 TSO C10b,
Altitude reporter TSO C-88. Altitude reporting system was checked in accordance with
AC43-6 APPENDIX 1, FAR 91.171 and 91.172 and found satisfactory.
Weight and Balance Revised this Date.

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

☐ ADDITIONAL SHEETS ARE ATTACHED

☆U.S. GOVERNMENT PRINTING OFFICE: 1986-659-121/40260

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 N DATE: 2 - 7 - 90

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
ACE-GAPO-14

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

1. AIRCRAFT	MAKE: CESSNA	MODEL: C-150
	SERIAL NO.: 15074709	NATIONALITY AND REGISTRATION MARK: N7641G
2 OWNER	NAME (As shown on registration certificate): GERALD MERCIER	ADDRESS (As shown on registration certificate): 2201 W 69th St Richfield, Mn 55423

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	(As described in item 1 above)				
POWERPLANT	CONT	O-200	250483		X
PROPELLER					
APPLIANCE	TYPE / MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Charles Rautiola 8426 12ht Ave Bloomington, Mn 55420	X U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION MANUFACTURER	470542632

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE: 7 Dec 1987

SIGNATURE OF AUTHORIZED INDIVIDUAL: Charles A. Rautiola

7. APPROVAL FOR RETURN TO SERVICE

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

BY						
		FAA FLT. STANDARDS INSPECTOR		MANUFACTURER		INSPECTION AUTHORIZATION
		FAA DESIGNEE		REPAIR STATION	X	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT

OTHER (Specify)

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
7Dec 87	470542632	Charles A Rautiola

FAA Form 337 (7-67) GPO : 1972 O - 475-509 (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 N DATE 2 - 7 - 90

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.)*

This aircraft has been modified IAW stc SA633GL and SE634GL for the use of auto gas. The required placards has been installed.

XXXXXXXXXXXXXXXXXXXXXXXENDXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

MINNEAPOLIS GAU
DEC 1 1987

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 N DATE: 2 - 7 - 90

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION
AGL-GADO-19

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

1. AIRCRAFT	MAKE: CESSNA	MODEL: c-150
	SERIAL NO.: 15074709	NATIONALITY AND REGISTRATION MARK: N7641G
2. OWNER	NAME (As shown on registration certificate): GERALD MERCIER	ADDRESS (As shown on registration certificate): 2201 W 69th St. Richfield, Mn 44423

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION / 5. TYPE

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
CHARLES RAUTIOLA 8426 12th Ave So. Bloomington, Minn 55420	X U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION MANUFACTURER	470542632

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE: 7 Dec 1987

SIGNATURE OF AUTHORIZED INDIVIDUAL: Charles A Rautiola

7. APPROVAL FOR RETURN TO SERVICE

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

BY						
	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	X	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
7 Dec 1987	470542632	Charles A Rautiola

FAA Form 337 (7-67) GPO : 1972 O - 475-509 (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 N DATE: 2 - 7 - 90

NOTICE

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

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

Removed existing air filter and installed a Bracket Air Filter assy BA-4106 IAW instructions under STC-SA71GL.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXENDXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

MINNEAPOLIS GADO-11
DEC 17 1987

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1 - 5 - 87

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY
OFFICE IDENTIFICATION
AGL-GADO-14

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

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

1. AIRCRAFT	MAKE: CESSNA	MODEL: C-150
	SERIAL NO.: 15074709	NATIONALITY AND REGISTRATION MARK: N7641G
2. OWNER	NAME (As shown on registration certificate): GERALD E. MERCIER	ADDRESS (As shown on registration certificate): 2201 W 69th St Richfield, Minn.

3. FOR FAA USE ONLY

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Charles Rautiola 8426 12th AVE Bloomington, Mn	X U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION MANUFACTURER	470542632

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
2 Apr 1986	Charles Rautiola

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 [X] APPROVED [ ] REJECTED

BY						
	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	X	INSPECTION AUTHORIZATION	OTHER (Specify)	
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT		

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
2 Apr 1986	470542632	Charles Rautiola

FAA Form 337 (7-67) GPO : 1972 O - 475-509 (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1 - 5 - 87

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.)*

1. Due to nose gear and firewall damage the following repair has been made to this aircraft.
Removed firewall, firewall angle , eng mount, rudder pedals, and steering rods. Repaired skin on fusluage bottom aft of the firewall approx 15". Installed doubler as per C-150 maint manual and AC43.13 1A, Chapter 2 sect 3. Replaced the following parts either new of serviceable firewall, firewall angle, engine mount lower nose strut nose wheel and steering rods.

2. Removed right wing and repaired aft spar as per C-150 maint manual and AC 43.13 1A Capter 2 sect 3. Installed wing rigged and test flight accomplished.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX END XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

☐ ADDITIONAL SHEETS ARE ATTACHED

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1 - 5 - 87

Form Approved
Budget Bureau No. 04-R0058

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS—Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK: N7641G	2. AIRCRAFT BUILDER'S NAME (make): Cessna	3. AIRCRAFT MODEL DESIGNATION: 150L	4. YR. MFG.: 1973
5. AIRCRAFT SERIAL NO.: 15074709	6. ENGINE BUILDER'S NAME (make): Continental	7. ENGINE MODEL DESIGNATION: O-200-A	FAA CODING: 2071826 / 12040
8. NUMBER OF ENGINES: One	9. PROPELLER BUILDER'S NAME (make): McCauley	10. PROPELLER MODEL DESIGNATION: 1A101/HCM	11. AIRCRAFT IS: NEW [ ] X USED [ ] IMPORT

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A 1 X STANDARD AIRWORTHINESS CERT. (Indicate category) — NORMAL [ ] X UTILITY [ ] ACROBATIC [ ] TRANSPORT [ ] GLIDER [ ] BALLOON

B X SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)

- 2 LIMITED
- 5 PROVISIONAL (Indicate class): 1 CLASS I; 2 CLASS II
- 3 X RESTRICTED (Indicate operation(s) to be conducted): 1 AGRICULTURE & PEST CONTROL; 2 AERIAL SURVEYING; 3 X AERIAL ADVERTISING; 4 FOREST (Wild life conservation); 5 PATROLLING; 6 WEATHER CONTROL; 0 OTHER (Specify)
- 4 EXPERIMENTAL (Indicate operation(s) to be conducted): 1 RESEARCH AND DEVELOPMENT; 2 AMATEUR BUILT; 3 EXHIBITION; 4 RACING; 5 CREW TRAINING; 6 MKT. SURVEY; 0 TO SHOW COMPLIANCE WITH FAR
- 8 SPECIAL FLIGHT PERMIT (Indicate operation to be conducted then complete Section VI or VII as applicable on reverse side): 1 FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE; 2 EVACUATE FROM AREA OF IMPENDING DANGER; 3 OPERATION IN EXCESS OF MAX. CERTIFICATED TAKE-OFF WEIGHT; 4 DELIVERING OR EXPORT; 5 PRODUCTION FLIGHT TESTING

C 6 MULTIPLE AIRWORTHINESS CERTIFICATE (Check appropriate Restricted Operation and Standard or Limited as applicable above)

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on Certificate of Aircraft Registration) — IF DEALER, CHECK HERE →

NAME: Aviation Advertising, Inc.
ADDRESS: 4600 W. 77th St. Suite 321, Edina, Minnesota 55429

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

- AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.): 3A19 Rev. 26
- AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.): 77-13-03 (eng)
- AIRCRAFT LISTING (Give page No(s).): N/A
- SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated): N/A

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

- CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173
- TOTAL AIRFRAME HOURS—Enter for used aircraft only: 2190.9
- 3 EXPERIMENTAL ONLY—Enter hours flown since last certificate issued or renewed

D. CERTIFICATION—I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE (Print or type)	SIGNATURE
Dec. 1, 1977	Wm. S. Hopkins, Agent	Wm. S. Hopkins

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies)

- 2 FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)
- 3 X CERTIFICATED MECHANIC (Give Certificate No.): A&P 1965915
- 6 CERTIFICATED REPAIR STATION (Give Certificate No.)
- 5 AIRCRAFT MANUFACTURER (Give Name of Firm)

DATE	TITLE	SIGNATURE
Dec. 1, 1977	Mechanic	Robert Colleen Burdick

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks) I find that the aircraft described in Section I or VII meets the requirements for: [X] The certification requested, or [ ] Amendment or modification of its current airworthiness certificate. Inspection for a special flight permit under Section VII was conducted by: [ ] FAA Inspector; certificate holder under [ ] FAR 65, [ ] FAR 121 or 127, or [ ] FAR 145.

DATE	DISTRICT OFFICE	DESIGNEE'S SIGNATURE AND NO.	FAA INSPECTOR'S SIGNATURE
12-2-77	SO-FSDO-62		[illegible]

FAA Form 8130-6 (7-70)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1 - 5 - 87

VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME	ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- [ ] PRODUCTION CERTIFICATE *(Give production certificate number)*
- [ ] TYPE CERTIFICATE ONLY
- [ ] APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS:

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

- [ ] PILOT
- [ ] CO-PILOT
- [ ] NAVIGATOR
- [ ] OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

F. CERTIFICATION—I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

X	A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable		G. Statement of Conformity, FAA Form 317 *(Attach when required)*
	B. Current Operating Limitations Attached		H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
X	C. Data, Drawings, Photographs, etc. *(Attach when required)*	X	I. Previous Airworthiness Certificate Issued in Accordance with FAR 21.183(a) CAR _____ *(Original attached)*
X	D. Current Weight and Balance Information Available in Aircraft		
X	E. Major Repair and Alteration, FAA 337 *(Attach when required)*	X	J. Current Airworthiness Certificate Issued in Accordance with FAR 21.187 *(Copy attached)*
X	F. This Inspection Recorded in Aircraft Records		

☆ U.S. GOVERNMENT PRINTING OFFICE: 1977 - 772-366/105/7

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1 - 5 - 87

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION — FEDERAL AVIATION ADMINISTRATION

SPECIAL AIRWORTHINESS CERTIFICATE

A	CLASSIFICATION: RESTRICTED		
	PURPOSE: AERIAL ADVERTISING		
B	MANUFACTURER	NAME N/A	
		ADDRESS N/A	
C	FLIGHT	FROM N/A	
		TO N/A	
D	N- 7641G		SERIAL NO. 15074709
	BUILDER CESSNA		MODEL 150L
E	DATE OF ISSUANCE 12-2-77		EXPIRY PER FAR 21.181
	OPERATING LIMITATIONS FAR 91.39		ARE A PART OF THIS CERTIFICATE
	SIGNATURE OF FAA REPRESENTATIVE B. KEATON DEESE		DESIGNATION OR OFFICE NO. SO-FSDO-62

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.

FAA FORM 8130-7 (3-69) SUPERSEDES FAA FORMS 1362-B; 8100-3; 8130-5

SEE REVERSE SIDE

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1 - 5 - 87

A	This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).
B	This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.
C	This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.
D	This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country.
E	Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.

FAA-AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1 - 5 - 87

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Form Approved
Budget Bureau No. 04-R060.1

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

FOR FAA USE ONLY
OFFICE IDENTIFICATION: SO-FSDO-62

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

1. AIRCRAFT
MAKE: CESSNA
MODEL: 150L
SERIAL NO.: 15074709
NATIONALITY AND REGISTRATION MARK: N7641G

2. OWNER
NAME (As shown on registration certificate): Aviation Advertising, Inc.
ADDRESS (As shown on registration certificate): 4600 W. 77th St. Suite 321, Edina, Minnesota 55420

3. FOR FAA USE ONLY
"The alterations identified herein complies with applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, section 43.7."
Date: 12-1-77
Signature of FAA Inspector: [signature] SO-FSDO-62
Ser Restricted Category

4. UNIT IDENTIFICATION / **5. TYPE**

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Carl T. Wiser 1330 Portview Drive Nashville, Tennessee 37217	X U.S. CERTIFICATED MECHANIC FOREIGN CERTIFICATED MECHANIC CERTIFICATED REPAIR STATION MANUFACTURER	A&P 1929723

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: Dec. 1, 1977
SIGNATURE OF AUTHORIZED INDIVIDUAL: Carl T. Wiser

7. APPROVAL FOR RETURN TO SERVICE

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

BY						
	FAA FLT. STANDARDS INSPECTOR		MANUFACTURER	X	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE		REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION: Dec. 1, 1977
CERTIFICATE OR DESIGNATION NO.: IA1965915
SIGNATURE OF AUTHORIZED INDIVIDUAL: Robert Collier Butler

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1 - 5 - 87

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.)*

This aircraft modified in accordance with Part 21.187 FAR as a special purpose airplane. Installed a Waugh Electronic Sign, Mod 3D 259 in accordance with the manufacturer's instructions.

Installed a quick disconnect power plug on the right side of the center console and installed a 40 amp circuit breaker 109-240-101 on the lower side of the instrument panel. Ran 10 gauge wire Presto-lite 7095-1 (mil 5086-Type II) from 12 volt buss to the circuit breaker and from there to the power plug.

Removed the co-pilot seat and installed the programmer on the seat rails utilizing the four center holes and bolts.

Cut a 4 inch inspection plate hole in the clear area aft of the right door and riveted in a standard re-inforcing ring. Ran main signal cable through this opening and installed a supporting grommet.

Made an electrical load analysis and found the maximum normal operating load to be well within the alternator capacity of 60 amps. (see page 5)

See accompanying sketches and "Removal and re-installation instructions for the Waugh 3D-259 Electronic Billboard" and the conversion of the aircraft from RESTRICTED to STANDARD category.

When operated in the RESTRICTED category, the attached weight and balance data and the instructions must be followed.

This modified aircraft flight checked on December 1, 1977 1977

by William L Blaylock 408882202 in accordance with FAR 91.167 and found to operate satisfactorily with the Waugh sign installed.

This aircraft must be operated in compliance with the limitations prescribed in FAR 91.19.

WARNING!!! Any changes or modifications to this product without documented approval of Waugh Electronics and the FAA, voids warrenty with Waugh Electronics and will be operated in violation of FAR 21.187.

All warrenty work will be accomplished at our Nashville, Tn. facility. If repairs must be made at customers location, all transportation and subsistance expenses of repair crew will be the responsibility of the customer.

ADDITIONAL SHEETS ARE ATTACHED

INSTRUCTIONS FOR REMOVAL AND RE-INSTALLATION OF THE RAUGH ELECTRONICS BILLBOARD MODEL 3-D 255 FOR CESSNA 150 L.

1. Remove the main power plug from it's receptacle on the lower center of the instrument panel

2. Remove the multi-wire contact head from it's supporting bracket in the programmer and withdraw through the rear of the console and thence through the fuselage opening in the right side aft of the door. Dish at the bottom of the computer contains mercury which is extreme incompatable with aluminum.

3. Loosen the four nuts on the bolts which secure the programmer to the co-pilot seat track. Store carefully.

4. Remove the nuts from the AN-3 bolts at points A,B,C,D, and E (see attached drawings) on both sides of the aircraft. Then remove the bolts and allow the lamp bank to lie on the floor.

5. Disconnect the lateral tension wire links (Painted Red) so the lamp bank can be withdrawn rearward around the gear legs.

6. Remove the "Restricted" signs from the entrances. Aircraft must be inspected for mercury spills after each use. When changing back to "Standard" category, aircraft must be inspected by an A & P for corrosion.

7. Make a log book entry stating that the sign has been removed and the airplane is now in a "STANDARD" category.

8. Personnel qualification requirements for the conversion must be an A&P mechanic or a commercial pilot.

TO RE-INSTALL

1. Install programmer on co-pilot seat rails, utilizing existing four forward holes in the tracks for the programmer mount bolts.

2. Insert the power plug in it's receptacle on the lower center of the instrument panel.

3. Place the lamp bank on the floor centered aft of the main landing gear. Move it forward and attach at the main landing gear brackets first, point E (see drawings) on both sides. Attach strut brace D and wing brace G, then the tip braces B and A.

4. Connect the lateral tension wire links (painted red).

5. Route the multi-wire contact head and wire bundle through the opening in the fuselage and into the rear of the console and position it properly in it's bracket. Plug resistor plug in.

6. Add enough mercury to make all the lamp circuits operative (sign running) while the plane is in a tail low position.

7. Install the "RESTRICTED" signs near the entrances.

8. Make a log book entry stating the sign has been re-installed and the aircraft is now in a "RESTRICTED" category.

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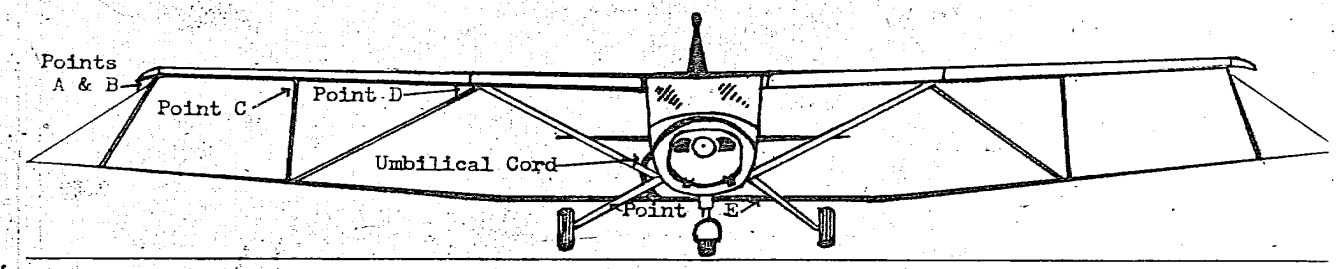
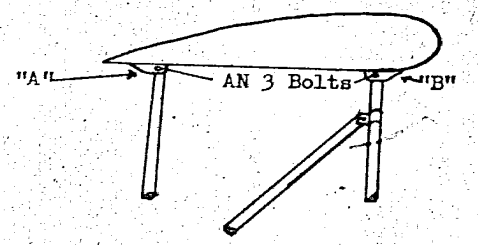
INSTALLATION DETAILS FOR WAUGH ELECTRONIC
BILLBOARD MODEL 3D-259 FOR CESSNA 150L
N7641G

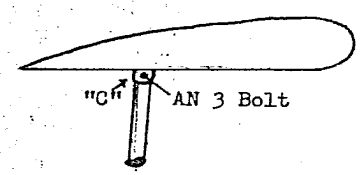
N7641G
November 30, 1977

PREFLIGHT INFORMATION-The tips and first longitudinal braces are prebent by manufacturer.

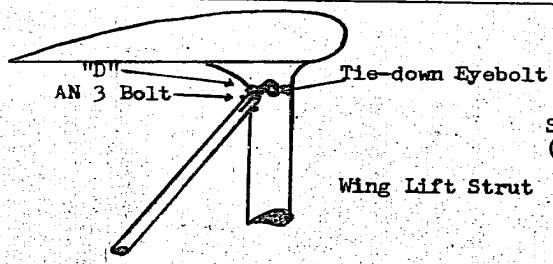




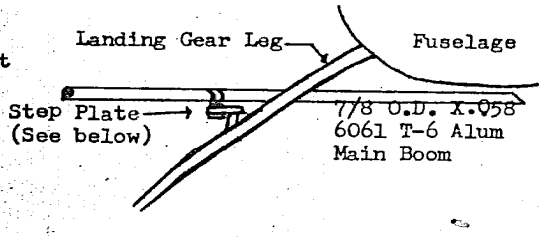
POINTS A & B (wingtip)



POINT C (midwing)

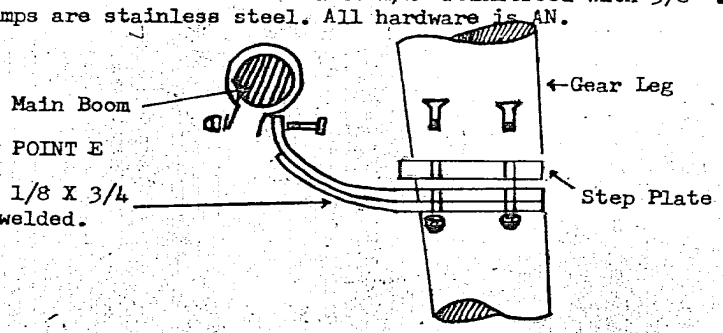


POINT D (lift strut)



POINT E (landing gear)

All brackets remain on the aircraft. All boom braces 1/2" reinforced with 3/8" .058 6061-T6 aluminum tubing. All clamps are stainless steel. All hardware is AN.



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WEIGHT AND BALANCE REPORT Cessna 150L N7641G
aircraft make, model, reg. number

ITEM	WEIGHT		ARM		MOMENT	
Aircraft	1062	10	32	85	34898	60
Lamp Bank	60	00	58	00	3480	00
Programmer	12	00	44	00	534	00
Total	1134	10	34	31	38912	60
New Useful Load						
MOST FORWARD EXTREME LOADING WITH SIGN INSTALLED						
Aircraft	1134	10	34	31	38912	60
Oil 6 quarts	11	00	-13	50	-148	50
Fuel 22 gallons	135	00	42	00	5670	00
Pilot	1170	00	40	00	6800	00
Total	1450	10	35	33	51234	60
MOST REARWARD EXTREME LOADING WITH SIGN INSTALLED						
Aircraft	1134	10	34	31	38912	60
Oil 6 quarts	11	00	-13	50	-148	50
Fuel 22 gallons	135	00	42	00	5670	00
Pilot	170	00	40	00	6800	00
Baggage	50	00	64	00	3200	00
Total	1500	10	36	28	54434	10

This falls within the envelope found in the loading schedule, Cessna Aircraft Company Wichita, Kansas dated April 18, 1973

Date November 30, 1977

Lorin L. Waugh
Waugh Electronics
P. O. Box 17184
Nashville, Tenn. 37217

Electrical Load Analysis
Cessna 150 7641g

Installed alternator capacity 60 Amps.

Battery Contactor	.6
Electric Turn and Bank	.6
Flashing Beacon	3.0
Navigation Lights	4.0
Radio	3.0
Sign	20.2
Strobe Light (s)	n/a
TOTAL	31.4 AMPS

Date
November 30, 1977

Lorin L. Waugh
Waugh Electronics
Box #17184
Metro Airport
Nashville, Tenn. 37217

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Form Approved
Budget Bureau No. 04-R0058

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS—Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK: N7641G	2. AIRCRAFT BUILDER'S NAME (make): Cessna	3. AIRCRAFT MODEL DESIGNATION: 150L	4. YR. MFG.: 1973
5. AIRCRAFT SERIAL NO.: 15074709	6. ENGINE BUILDER'S NAME (make): Continental	7. ENGINE MODEL DESIGNATION: O-200-A	FAA CODING: 2871826 / 17826
8. NUMBER OF ENGINES: One	9. PROPELLER BUILDER'S NAME (make): McCauley	10. PROPELLER MODEL DESIGNATION: 1A101/HCM6948	11. AIRCRAFT IS: [ ] IMPORT

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A 1 [X] STANDARD AIRWORTHINESS CERT. (Indicate category) — NORMAL [X] UTILITY [ ] ACROBATIC [ ] TRANSPORT [ ] GLIDER [ ] BALLOON

B SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)

- 2 LIMITED
- 5 PROVISIONAL (Indicate class): 1 CLASS I; 2 CLASS II
- 3 RESTRICTED (Indicate operation(s) to be conducted): 1 AGRICULTURE & PEST CONTROL; 2 AERIAL SURVEYING; 3 AERIAL ADVERTISING; 4 FOREST (Wild life conservation); 5 PATROLLING; 6 WEATHER CONTROL; 0 OTHER (Specify)
- 4 EXPERIMENTAL (Indicate operation(s) to be conducted): 1 RESEARCH AND DEVELOPMENT; 2 AMATEUR BUILT; 3 EXHIBITION; 4 RACING; 5 CREW TRAINING; 6 MKT. SURVEY; 0 TO SHOW COMPLIANCE WITH FAR
- 8 SPECIAL FLIGHT PERMIT (Indicate operation to be conducted then complete Section VI or VII as applicable on reverse side): 1 FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE; 2 EVACUATE FROM AREA OF IMPENDING DANGER; 3 OPERATION IN EXCESS OF MAX. CERTIFICATED TAKE-OFF WEIGHT; 4 DELIVERING OR EXPORT; 5 PRODUCTION FLIGHT TESTING

C 6 MULTIPLE AIRWORTHINESS CERTIFICATE (Check appropriate Restricted Operation and Standard or Limited as applicable above)

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on Certificate of Aircraft Registration) — IF DEALER, CHECK HERE [ ]

NAME: Cessna Aircraft Company
ADDRESS: 5800 East Pawnee Road, Wichita, Kansas 67201

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

- [X] AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.): 3A19 Rev. 19
- [X] AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.): 73-9
- [ ] AIRCRAFT LISTING (Give page No(s).)
- [ ] SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated)

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

- [X] CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173
- TOTAL AIRFRAME HOURS—: 1.0
- 3 EXPERIMENTAL ONLY—Enter hours flown since last certificate issued or renewed

D. CERTIFICATION—I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE (Print or type)	SIGNATURE
5-11-73	V. G. Weddle, Owner's Agent	V. G. Weddle

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies)

- 2 FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)
- 3 CERTIFICATED MECHANIC (Give Certificate No.)
- 6 CERTIFICATED REPAIR STATION (Give Certificate No.)
- 5 AIRCRAFT MANUFACTURER (Give Name of Firm)

DATE	TITLE	SIGNATURE

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks) I find that the aircraft described in Section I or VII meets the requirements for: [X] The certification requested, or [ ] Amendment or modification of its current airworthiness certificate. Inspection for a special flight permit under Section VII was conducted by: [ ] FAA Inspector; certificate holder under [ ] FAR 65, [ ] FAR 121 or 127, or [ ] FAR 145.

DATE	DISTRICT OFFICE	DESIGNEE NAME AND NO.	FAA INSPECTOR'S SIGNATURE
5-14-73	ICT EMDO 3-0-43	Executive Engineer, Cessna Aircraft Co., Pawnee Div., Delegation Option Manufacturer, CE-1 By [signature]	

FAA Form 8130-6 (7-70)

MICRO

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VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME	ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- [ ] PRODUCTION CERTIFICATE *(Give production certificate number)*
- [ ] TYPE CERTIFICATE ONLY
- [ ] APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS:

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PROCESSED BY OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

- [ ] PILOT
- [ ] CO-PILOT
- [ ] NAVIGATOR
- [ ] OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

JAN 13 1973
ENGINEERING AND MANUFACTURING BRANCH

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

F. CERTIFICATION—I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

- [X] A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable
- [ ] B. Current Operating Limitations Attached
- [ ] C. Data, Drawings, Photographs, etc. *(Attach when required)*
- [X] D. Current Weight and Balance Information Available in Aircraft
- [ ] E. Major Repair and Alteration, FAA 337 *(Attach when required)*
- [X] F. This Inspection Recorded in Aircraft Records
- [ ] G. Statement of Conformity, FAA Form 317 *(Attach when required)*
- [ ] H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
- [ ] I. Previous Airworthiness Certificate Issued in Accordance with FAR _____ CAR _____ *(Original attached)*
- [X] J. Current Airworthiness Certificate Issued in Accordance with FAR 21.183 (a) *(Copy attached)*

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1 - 5 - 87

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N7641G	Cessna 150L	15074709	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, preventive 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	FAA REPRESENTATIVE	DESIGNATION NUMBER
5-14-73	Cessna Aircraft Co., Pawnee Div. Delegation Option Authorization No. 1 By L. P. Sasaoka	PC4

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.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362

GPO : 1967—O-270-931

FAA AIRCRAFT REGISTRY
CAMERA NO. 2N DATE: 1-5-87