



US Department  
of Transportation  
Federal Aviation  
Administration

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

Form Approved  
OMB No. 2120-0020

**For FAA Use Only**

Office Identification

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

<b>1. Aircraft</b>	Make Cessna	Model C-172M
	Serial No. 17264423	Nationality and Registration Mark N9643V
<b>2. Owner</b>	Name (As shown on registration certificate) Stark Gerald M	Address (As shown on registration certificate) 900 Limerock Round Rock, TX 78681


**3. For FAA Use Only**

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

**6. Conformity Statement**

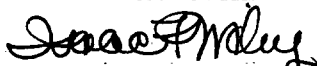
<b>A. Agency's Name and Address</b>	<b>B. Kind of Agency</b>	<b>C. Certificate No.</b>
Isaac F. Wiley P.O. Box 318 Leander, TX 78646-0318	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	2802120
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

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

Date March 27, 2007	Signature of Authorized Individual 
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**7. Approval for Return To Service**

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

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection March 27, 2007		Certificate or Designation No. 2802120	Signature of Authorized Individual 		

## NOTICE

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

### 8. Description of Work Accomplished

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

Installed Dynamic Propellers induction air inlet on carburetor air box in accordance with Dynamic Propellers Drawings list 30DL as approved under STC SA01088SE. No weight & balance change.

END

☐ Additional Sheets Are Attached

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	
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	1974 172M	
	SERIAL NO.	17264423	NATIONALITY AND REGISTRATION MARK	N9643V	
2. OWNER	NAME (As shown on registration certificate)		ADDRESS (As shown on registration certificate)		
	William A. Morse Gerald M. Stark		112 Skyline Georgetown, TX 78626		
3. FOR FAA USE ONLY					
4. UNIT IDENTIFICATION					5. TYPE
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTER- ATION
AIRFRAME	***** (As described in item 1 above) *****				
POWERPLANT	Lycoming	O-320-E2D	L-40390-27A		X
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				
6. CONFORMITY STATEMENT					
A. AGENCY'S NAME AND ADDRESS		B. KIND OF AGENCY		C. CERTIFICATE NO.	
Newton Milton Maung 4112B Andice Road Georgetown, Texas 78626		<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC		A&P 445760764	
		<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC			
		<input type="checkbox"/> CERTIFICATED REPAIR STATION			
		<input type="checkbox"/> MANUFACTURER			
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
DATE April 22, 1985		SIGNATURE OF AUTHORIZED INDIVIDUAL <i>[Signature]</i>			
7. APPROVAL FOR RETURN TO SERVICE					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/> INSPECTION AUTHORIZATION	OTHER (Specify)	
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT		
DATE OF APPROVAL OR REJECTION April 22, 1985		CERTIFICATE OR DESIGNATION NO. IA473480424		SIGNATURE OF AUTHORIZED INDIVIDUAL <i>[Signature]</i>	

### NOTICE

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

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

Owner purchased STC #SE1931CE issued by Petersen Aviation, Rt. 1, Box 19, Minden, Nebraska 68959 approving the aircraft to use auto fuel.

All placards supplied by Petersen Aviation reflecting this change were installed accordingly. Kit #AF0-320 which contain MS21919-DG12 clamp identification plate #P-91084 was also installed on pushrod tube of #1 cylinder. STC #SA1948CE which list Lycoming engines approved for fuel change also accompany aircraft maintenance records thus supplementing this STC on aircraft type.

Approved fuel to be used:

Unleaded automotive gasoline, 87 minimum antiknock index and leaded automotive gasoline 88 minimum antiknock index, (RON+MON)/2, per ASTM specification D-439. Intermixing with aviation gasoline also approved.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

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	2. AIRCRAFT BUILDER'S NAME (make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFG.	FAA CODING
	N9643V	Cessna	172M	1974	2072418
	5. AIRCRAFT SERIAL NO.	6. ENGINE BUILDER'S NAME (make)	7. ENGINE MODEL DESIGNATION	11. AIRCRAFT IS:	
	17264423	Lycoming	0-320-E2D	41548	
	8. NUMBER OF ENGINES	9. PROPELLER BUILDER'S NAME (make)	10. PROPELLER MODEL DESIGNATION		
	One	McCauley	1C160/DTM7553		
APPLICATION IS HEREBY MADE FOR: (Check applicable items)					
<input checked="" type="checkbox"/> STANDARD AIRWORTHINESS CERT. (Indicate category) <input checked="" type="checkbox"/> NORMAL <input checked="" type="checkbox"/> UTILITY <input type="checkbox"/> ACROBATIC <input type="checkbox"/> TRANSPORT <input type="checkbox"/> GLIDER <input type="checkbox"/> BALLOON					
B. SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)					
<input checked="" type="checkbox"/> LIMITED <input type="checkbox"/> PROVISIONAL (Indicate class) <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> RESTRICTED (Indicate operation(s) to be conducted) <input type="checkbox"/> AGRICULTURE & PEST CONTROL <input type="checkbox"/> AERIAL SURVEYING <input type="checkbox"/> AERIAL ADVERTISING <input type="checkbox"/> FOREST (Wild life conservation) <input type="checkbox"/> PATROLLING <input type="checkbox"/> WEATHER CONTROL <input type="checkbox"/> OTHER (Specify) <input type="checkbox"/> RESEARCH AND DEVELOPMENT <input type="checkbox"/> AMATEUR BUILT <input type="checkbox"/> EXHIBITION <input type="checkbox"/> RACING <input type="checkbox"/> CREW TRAINING <input type="checkbox"/> MKT. SURVEY <input type="checkbox"/> TO SHOW COMPLIANCE WITH FAR <input type="checkbox"/> FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE <input type="checkbox"/> EVACUATE FROM AREA OF IMPENDING DANGER <input type="checkbox"/> OPERATION IN EXCESS OF MAX. CERTIFICATED TAKE-OFF WEIGHT <input type="checkbox"/> DELIVERING OR EXPORT <input type="checkbox"/> PRODUCTION FLIGHT TESTING					
C. <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/>					
NAME Cessna Aircraft Company			ADDRESS 5800 East Pawnee Road Wichita, Kansas 67201		
B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)					
<input checked="" type="checkbox"/> AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.) 3A12 Rev. 37			<input checked="" type="checkbox"/> AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.) 74-23 74-24-13		
<input type="checkbox"/> AIRCRAFT LISTING (Give page No(s).)			<input type="checkbox"/> SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated)		
C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS					
<input checked="" type="checkbox"/> CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173		TOTAL AIRFRAME HOURS— 8		<input type="checkbox"/> EXPERIMENTAL ONLY—Enter hours flown since last certificate issued or renewed 3	
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 301 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 11-14-74		NAME AND TITLE (Print or type) Malcolm Harned, Vice President		SIGNATURE Malcolm Harned	
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)					
<input checked="" type="checkbox"/> FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)		<input type="checkbox"/> CERTIFICATED MECHANIC (Give Certificate No.)		<input type="checkbox"/> CERTIFICATED REPAIR STATION (Give Certificate No.)	
<input type="checkbox"/> 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: <input checked="" type="checkbox"/> The certification requested, or <input type="checkbox"/> Amendment or modification of its current airworthiness certificate. Inspection for a special flight permit under Section VII was conducted by: <input type="checkbox"/> FAA Inspector, certificate holder under <input type="checkbox"/> FAR 65, <input type="checkbox"/> FAR 121 or 127, or <input type="checkbox"/> FAR 145.					
DATE 12-3-74		DISTRICT OFFICE ICT EMDO 3-0-43		DESIGNATOR, SIGNATURE AND NO. Cessna Aircraft Co., Pawnee Div. Delegation Option Manufacturer, CFI By Arthur R. Salkey	
				FAA INSPECTOR'S SIGNATURE	

Typed by #6

<b>VI. PRODUCTION FLIGHT TESTING</b>	<b>A. MANUFACTURER</b>	
	NAME	ADDRESS
	<b>B. PRODUCTION BASIS (Check applicable item)</b>	
	<input type="checkbox"/> PRODUCTION CERTIFICATE (Give production certificate number) <input type="checkbox"/> TYPE CERTIFICATE ONLY <input type="checkbox"/> APPROVED PRODUCTION INSPECTION SYSTEM	
<b>VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST</b>	<b>C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS:</b>	
	DATE OF APPLICATION	SIGNATURE
	NAME AND TITLE (Print or type)	
	<b>A. DESCRIPTION OF AIRCRAFT</b>	
	REGISTERED OWNER	ADDRESS
	BUILDER (Make)	MODEL
	SERIAL NUMBER	REGISTRATION MARK
	<b>B. DESCRIPTION OF FLIGHT</b>	
	FROM	TO
	VIA	DEPARTURE DATE
DURATION		
<b>VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)</b>	<b>C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT</b>	
	<input type="checkbox"/> PILOT <input type="checkbox"/> CO-PILOT <input type="checkbox"/> NAVIGATOR <input type="checkbox"/> OTHER (Specify)	
	<b>D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:</b>	
	<b>E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION (Use attachment if necessary)</b>	
	<b>F. CERTIFICATION</b> —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	SIGNATURE
	NAME AND TITLE (Print or type)	
<b>VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)</b>	<input checked="" type="checkbox"/> A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable	G. Statement of Conformity, FAA Form 317 (Attach when required)
	<input type="checkbox"/> B. Current Operating Limitations Attached	H. Foreign Airworthiness Certification for Import Aircraft (Attach when required)
	<input type="checkbox"/> C. Data, Drawings, Photographs, etc. (Attach when required)	I. Previous Airworthiness Certificate Issued in Accordance with FAR _____ CAR _____ (Original attached)
	<input checked="" type="checkbox"/> D. Current Weight and Balance Information Available in Aircraft	J. Current Airworthiness Certificate Issued in Accordance with FAR _____ (Copy attached)
	<input type="checkbox"/> E. Major Repair and Alteration, FAA 337 (Attach when required)	
	<input checked="" type="checkbox"/> F. This Inspection Recorded in Aircraft Records	

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION  
**STANDARD AIRWORTHINESS CERTIFICATE**

1. NATIONALITY AND REGISTRATION MARKS <b>N9643V</b>	2. MANUFACTURER AND MODEL <b>Cessna 172M</b>	3. AIRCRAFT SERIAL NUMBER <b>1726423</b>	4. CATEGORY <b>Normal &amp; Utility</b>
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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 is in condition for safe operation and found to conform to the type certificate therefor, to be in condition for safe operation, and that it meets the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex B 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 valid only so long as the maintenance, preventive maintenance, and alterations are performed in accordance with Part 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States, Owner Div.

DATE OF ISSUANCE

**12-3-74**

DESIGNATION NUMBER

**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 AIRCRAFT REGISTRY

CAMERA NO. 2 DATE: 1-27-82

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