



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

12 **GL07**

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

1. Aircraft	Make <i>Piper</i>	Model <i>PA 28-235</i>
	Serial No. <i>28-11169</i>	Nationality and Registration Mark <i>N19450W</i>
2. Owner	Name (As shown on registration certificate) <i>Agin Michael K.</i>	Address (As shown on registration certificate) <i>9295 Paddock Road Zanesville Ohio 43701</i>

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 <i>Robert A. Norman 1200 Fairview Road Zanesville Ohio 43701</i>	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. <i>298664021</i>
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <i>02-13-97</i>	Signature of Authorized Individual <i>Robert A. Norman</i>
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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 <i>02-13-97</i>		Certificate or Designation No. <i>298664021</i>		Signature of Authorized Individual <i>Robert A. Norman</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.)

- ① Installed Sky craft Wing Tip Landing Lights PN PCL 100
I/A/W STC SA 504 NE.

- ② Installed Whelen wing Tip Strobes I/A/W STC SA 6 NE
 - 1 ea A 650 PR NAV STROBE Light
 - 1 ea A 650 PG NAV STROBE Light
 - 1 ea HD-60 Installation Kit
 - 1 ea A-413-HDA-CE Power Supply

- ③ All Wiring, Switches, and Circuit Protecting Devices are I/A/W
AC 43.13-1 A, Chapter 11, Section 1, 2, 3, and 7.

- ④ Equipment List modified and weight & Balance Data computed and entered
in Aircraft Log Book.

END

0-1		M-1	M-2	SPM	C-1	C-2		A-1	
0-2			AP					A-2	
0-3		RECEIVED						A-3	
0-4		APR - 2 1997						A-4	
0-5		CMH FSDO COLUMBUS, OH						A-5	
0-6								A-6	
0-7		0-9	C3	C4	C5	A-10	A-9	A-7	
0-8								A-8	

Additional Sheets Are Attached



US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
GL05

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

1. Aircraft	Make <p style="text-align: center;">Piper</p>	Model PA28-235
	Serial No. 28-11169	Nationality and Registration Mark N9450W
2. Owner	Name (As shown on registration certificate) <p style="text-align: center;">Agin Michael K.</p>	Address (As shown on registration certificate) <p style="text-align: center;">9295 Pidcock Rd. Zanesville, Ohio 43701</p>

3. For FAA Use Only
The data identified herein complies with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR 43.7.
APPROVING INSPECTOR *Leon A. Chavell*
DATE **MAR 19 1996** CUG-FS-100

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

6. Conformity Statement

A. Agency's Name and Address Mac-Michael Avionics, Inc. 1251 W. Blee Rd. Springfield, Ohio 45502	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	C. Certificate No. <p style="text-align: center; font-size: 1.2em;">GY5R900M</p>
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <p style="text-align: center;">3-18-96</p>	Signature of Authorized Individual <div style="text-align: center;"> William M. McConnell </div>
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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 FII. Standards Inspector		Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/>	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <p style="text-align: center;">3-19-96</p>		Certificate or Designation No. <p style="text-align: center;">GY5R900M</p>		Signature of Authorized Individual <div style="text-align: center;"> William M. McConnell </div>	

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 LRN500 mounting tray from left hand radio stack 75" AFT of Datum.

Installed Garmin GPS-150 in left hand radio stack 77" AFT of Datum.

Installed Garmin GA-56 GPS antenna on top fuselage 110" AFT of Datum.

GPS 150 wired per Garmin GPS-150 Installation Manual P/N 190-00026-00 Rev. K.

GPS-150 installed as a stand alone system.

GPS-150 protected by a 3 amp circuit breaker labeled GPS

Panel Placarded "GPS NOT APPROVED FOR IFR"

Ground test performed I.A.W. A.C. 20-138.

Garmin GPS-150 Pilots Guide P/N 190-00048-00 Rev. D placed in Aircraft.

All work performed I.A.W. A.C. 43.13-2 Chapter 1, 2, 3, Section. 1A, Advisory Circular A.C. 20-138 and reference STC SA0006WI. Electrical load computed and does not exceed the capability of the Aircraft Electrical System. Weight and Balance computed and entered in the Airframe Logbook.

END

Additional Sheets Are Attached

RECEIVED
MAY 23 1981
RGL (S)
MINN

Outs

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 AAL-6A00-1X		
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	PIPER		MODEL	PA-28-235	
	SERIAL NO.	28-11169		NATIONALITY AND REGISTRATION MARK	N9450W	
2. OWNER	NAME (As shown on registration certificate)			ADDRESS (As shown on registration certificate)		
	KRUSE, ROBERT A.			C70 LITCHFIELD FORD LITCHFIELD, MINN. 55355		
3. FOR FAA USE ONLY						
4. UNIT IDENTIFICATION						
	UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
	AIRFRAME	***** (As described in item 1 above) *****			REPAIR	ALTERATION
	POWERPLANT					
	PROPELLER					
	APPLIANCE	TYPE				
		MANUFACTURER				
6. CONFORMITY STATEMENT						
A. AGENCY'S NAME AND ADDRESS		B. KIND OF AGENCY		C. CERTIFICATE NO.		
EMORY A. BABOLIAN 720 W 6TH STREET LITCHFIELD, MINN. 55355		<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC <input type="checkbox"/> CERTIFICATED REPAIR STATION <input type="checkbox"/> MANUFACTURER		A&P 2017869		
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				
5-26-81		Emory A. Babolian				
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	<input type="checkbox"/> CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT			
DATE OF APPROVAL OR REJECTION		CERTIFICATE OR DESIGNATION NO.		SIGNATURE OF AUTHORIZED INDIVIDUAL		
5-26-81		2017869 IA		Emory A. Babolian		

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 MODEL 35 ALCOR EGT SYSTEM IN HOLE PROVIDED IN DASH.
INSTALLATION INSTRUCTION USED WAS STC SA622SM, INSTRUCTION BOOKLET
80-196, & AC43.13-2A cha. 2

-----END-----

ADDITIONAL SHEETS ARE ATTACHED



FEDERAL AVIATION AGENCY				INSTRUCTIONS: Print or type these are for FAA use only. Authorized FAA Representative, use reverse side.			
APPLICATION FOR AIRWORTHINESS CERTIFICATE (FAR 21)				Do not write in shaded areas! Submit original only to an authorized FAA Representative. If additional space is required, use reverse side.			
I. AIRCRAFT DESCRIPTION	1. REGISTRATION MARK N9450W	2. AIRCRAFT MAKE Piper	3. AIRCRAFT MODEL DESIGNATION PA 28-235		FAA CODING 7102810		
	4. AIRCRAFT SERIAL NO. 28-11169	5. ENGINE MAKE Lycoming	6. ENGINE MODEL DESIGNATION O-540-B4B5		41533		
	7. NO. OF ENGINES One	8. PROPELLER MAKE Hartzell	9. PROPELLER MODEL DESIGNATION HC-GZYK-1		10. YR. AIRC. MANUFACTURED 1968		
II. CERTIFICATION REQUESTED	A. APPLICATION IS HEREBY MADE FOR:						
	3 <input checked="" type="checkbox"/> ORIGINAL CERTIFICATE—AIRCRAFT IS		<input checked="" type="checkbox"/> NEW		USED		IMPORT
	4 <input type="checkbox"/> AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE						
	5 <input type="checkbox"/> OTHER (Specify)						
	B. AIRWORTHINESS CLASSIFICATION (For multiple certification, check appropriate items).						
1 <input checked="" type="checkbox"/> STANDARD (Indicate category)		<input checked="" type="checkbox"/> NORMAL		UTILITY		ACROBATIC	TRANSPORT
2 <input type="checkbox"/> LIMITED		3 <input type="checkbox"/> RESTRICTED (Indicate operation(s) to be conducted)		4 <input type="checkbox"/> AGRICULTURE & PEST CONTROL		5 <input type="checkbox"/> AERIAL SURVEYING	
		6 <input type="checkbox"/> FOREST (Wild life conservation)		7 <input type="checkbox"/> PATROLLING		8 <input type="checkbox"/> AERIAL ADVERTISING	
		9 <input type="checkbox"/> OTHER (Specify)		10 <input type="checkbox"/> RESEARCH AND DEVELOPMENT		11 <input type="checkbox"/> WEATHER CONTROL	
		12 <input type="checkbox"/> EXPERIMENTAL (Indicate operation(s) to be conducted)		13 <input type="checkbox"/> RACING		14 <input type="checkbox"/> AMATEUR BUILT	
		15 <input type="checkbox"/> PROVISIONAL (Indicate class)		16 <input type="checkbox"/> CLASS I		17 <input type="checkbox"/> EXHIBITION	
				18 <input type="checkbox"/> TO SHOW COMPLIANCE WITH FAR		19 <input type="checkbox"/> CLASS II	
						20 <input type="checkbox"/> FAA CODING	
III. OWNER'S CERTIFICATION	A. REGISTERED OWNER (As shown on Certificate of Aircraft Registration)						
	NAME Piper Aircraft Corporation			ADDRESS (Number, street, city, State and ZIP code) P. O. Box 1328 Vero Beach, Florida 32960			
	B. AIRCRAFT CERTIFICATION BASIS						
	X <input checked="" type="checkbox"/> AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Rev. No.) 2A13 REV 18			X <input checked="" type="checkbox"/> AIRWORTHINESS DIRECTIVE SUMMARY (Give year and last card No.) 1967 68-19			
	AIRCRAFT LISTING (Give page No(s.))			SUPPLEMENTAL TYPE CERTIFICATE (Give No(s.))			
C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS							
X <input checked="" type="checkbox"/> AIRCRAFT NEW—NO PREVIOUS HISTORY			TOTAL AIRFRAME HOURS RECORDED 74		FAA CODING		
RECORDS MAINTAINED IN COMPLIANCE WITH FAR 91.173							
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 Agency 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 classification(s) requested.							
DATE OF APPLICATION 10-9-68		NAME AND TITLE (Print or type) V. J. Montuoro Agent		SIGNATURE <i>V. J. Montuoro</i>			
IV. INSPECTION AGENCY VERIFICATION	IN ACCORDANCE WITH FAR 21.183, THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY:						
	2 <input checked="" type="checkbox"/> CERTIFICATED AIR CARRIER (Give Certificate No.)		3 <input type="checkbox"/> CERTIFICATED MECHANIC (IA) (Give Certificate No.)		6 <input type="checkbox"/> CERTIFICATED DOMESTIC REPAIR STATION (Give Certificate No.)		
	5 <input type="checkbox"/> AIRCRAFT MANUFACTURER (Give name of firm)					FAA CODING 4	
DATE		TITLE		SIGNATURE			
V. AIRWORTHINESS DOCUMENTATION	A. CURRENT OPERATING LIMITATIONS AVAILABLE IN AIRCRAFT			X <input checked="" type="checkbox"/> G. THIS INSPECTION RECORDED IN AIRCRAFT RECORDS			
	B. CURRENT OPERATING LIMITATIONS ATTACHED			H. STATEMENT OF CONFORMITY, FAA FORM 317 (Attach when required)			
	X <input checked="" type="checkbox"/> C. CURRENT APPROVED FLIGHT MANUAL AVAILABLE IN AIRCRAFT			I. PREVIOUS AIRWORTHINESS CERTIFICATE ISSUED IN ACCORDANCE WITH FAR _____ CAR _____ (Orig. attached)			
	D. DATA, DRAWINGS, PHOTOGRAPHS, ETC. (Attach when required)			J. AIRWORTHINESS CERTIFICATE ISSUED IN ACCORDANCE WITH FAR 21.183 (a) _____ (Copy attached)			
	X <input checked="" type="checkbox"/> E. CURRENT WEIGHT & BALANCE INFORMATION AVAILABLE IN AIRCRAFT						
	F. MAJOR REPAIR AND ALTERATION, FAA FORM 337 (Attach when req.)						
VI. FAA REPRESENTATIVE CERTIFICATION	A. I have inspected the aircraft described above, find it conforms to its type certificate, and is in condition for safe operation.						
	B. I have inspected the aircraft described above, find it is in condition for safe experimental operation.						
	C. Current Airworthiness Certificate amended.						
DATE 10-68 9 OCT 1968	DESIGNATION NO. DOA SQ-1 000	OFFICE NO. MIA-EMDO 7-0-43	SIGNATURE <i>A. W. Delle</i> A. W. DELLE				

FAA AIRCRAFT REGISTRY

CAMERA NO. 2 DATE: 3-8-82

AAIRCC

Verified by Operator #41

RECEIVED
 NOV 13 1968
 QUANTITY SECTION
 FEDERAL BUREAU OF INVESTIGATION
 U.S. DEPARTMENT OF JUSTICE

Nov 13 8 33 AM '68
 OKLAHOMA CITY, OKLA.
 Verified by Operator #81

CONVEYANCE FILED WITH
 FAA AIRCRAFT REGISTRY

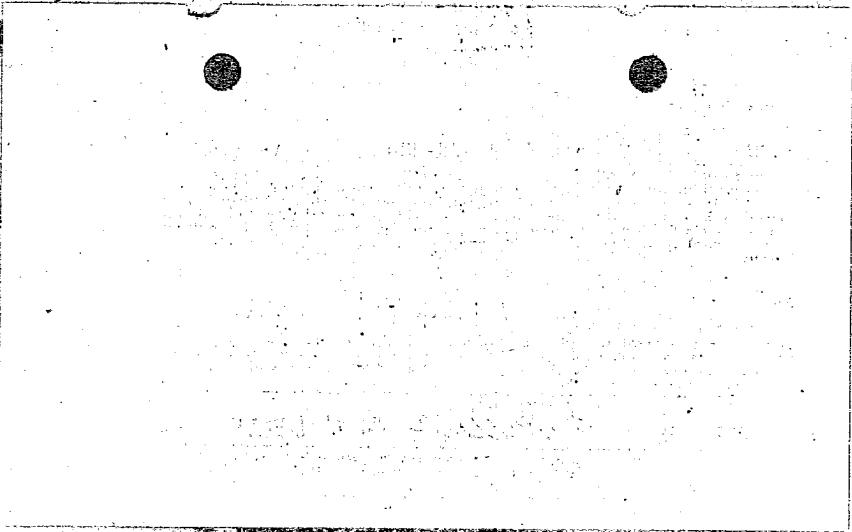
FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 3-8-82

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
N9450W	Piper PA 28-235	28-11169	Normal
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 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 effective as long as the maintenance, preventive maintenance, and alterations are performed in accordance with Parts 23, 25, 27, 29, and 31 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.			
DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER	
9 OCT 1968	A. W. DELLE	DOA 50-1	
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 1362 (7-65) GPO : 1968 O - 798-353 0052-040-8000 (B100)			

FAA AIRCRAFT REGISTRY

CAMERA NO. 2 DATE: 3-8-82



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FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 3-8-82

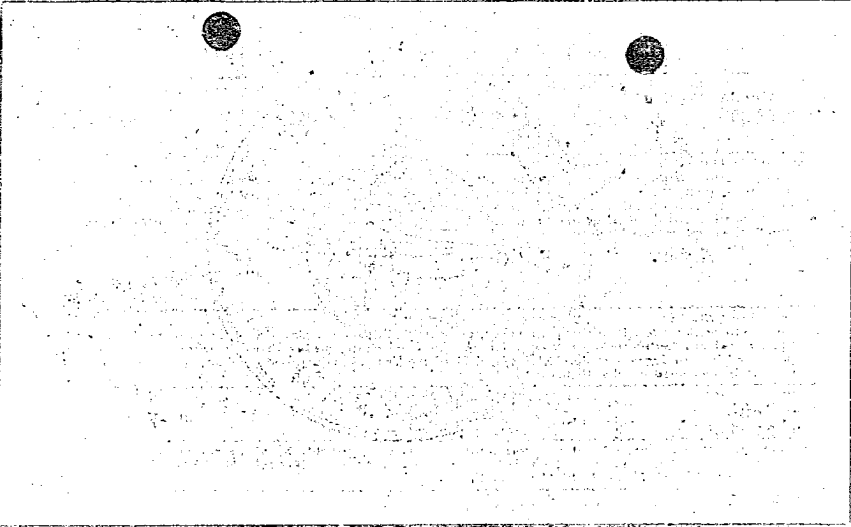
UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION
STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS N9450W	2. MANUFACTURER AND MODEL Piper PA-28-1735	3. AIRCRAFT SERIAL NUMBER 48-1169	4. CATEGORY Normal
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 has been found to conform to the type certificate therefor, to be in condition for safe operation, and has been found to meet the requirements of the applicable comprehensive and detailed airworthiness code as prescribed 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 Part 43 and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.			
DATE OF ISSUANCE 10-09-68 (Replacement)	FAA REPRESENTATIVE <i>James A. [Signature]</i> James A. [Name]		DESIGNATION NUMBER WE-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 8100-2 (7-67) FORMERLY FAA FORM 1362 GPO 1967-O-270 931

FAA AIRCRAFT REGISTRY
CAMERA NO. 2 DATE: 3-8-82



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