

U.S. 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
SW-FSDO-65

INSTRUCTIONS: Print or type all entries. See FAR 43.2, 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 22-160
	SERIAL NO. 22-5777	NATIONALITY AND REGISTRATION MARK N86483
2. OWNER	NAME (As shown on registration certificate) James R. Younkin	ADDRESS (As shown on registration certificate) 1500 S. Old Mo. Rd. Springdale, Ark. 72764

3. FOR FAA USE ONLY

The alteration 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.

Date **10/6/87** FAA Inspector **[Signature]** SW FSDO 65

4. UNIT IDENTIFICATION

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS R.L. Younkin 55 Appleby Road Fayetteville, Ar	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	C. CERTIFICATE NO. A&P 1271441
	<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 Oct 6, 1987	SIGNATURE OF AUTHORIZED INDIVIDUAL [Signature]
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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 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 Oct 6, 1987	CERTIFICATE OR DESIGNATION NO. 1271441	SIGNATURE OF AUTHORIZED INDIVIDUAL [Signature]		

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.)

The diagonal tube within the bay comprising the aft surface of the baggage compartment was replaced with a tube held in place with 1/4 inch bolts. This is a 4130 tube into which clevis type fittings are welded at each end. Gussets to which the tube bolts are welded into the lower right and upper left inside corners of this bay. CLOSE TOLERANCE holes are drilled in all mating parts in order to eliminate transverse movement at the attach points.

The original straight sheet metal cuffs employed at all strut attach points were replaced with streamlined (fillet type) fiberglass fairings. Fiberglass wheel fairings employing conventional mounting hardware were installed. Streamlined fillets attached to the wheel fairings were mounted between the wheel fairings and the landing gear legs.

Plackards worded according to the example below are located on the instrument panel and on the baggage compartment door.

BOLT IN TUBE MUST BE BOLTED IN PLACE DURING FLIGHT

A plackard worded according to the example below is located on the diagonal tube.

THIS TUBE MUST BE BOLTED IN PLACE DURING FLIGHT

A plackard relating to baggage and worded according to the example below is located on the baggage compartment door.

MAX BAGGAGE 100 LBS

BAGGAGE MUST BE AHEAD OF BOLT IN TUBE

ADDITIONAL SHEETS ARE ATTACHED