

Supplemental Type Certificate

Department of Transportation—Federal Aviation Administration

Number SA4005NM

This certificate issued to Precise Flight, Inc.

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 25 of the Regulations.

Original Product—Type Certificate Number: * See Attached Approved Model List (AML)

Make: * No. SA4005NM for List of Approved Aircraft

Model: * Models and applicable Airworthiness Regulations

Description of Type Design Change: Installation of Precise Flight Control Unit in the Landing/Taxi/Recognition Visual Control Light System, in accordance with Precise Flight Option 1) Installation Instructions No. PPRI-3000, Revision 4, dated May 12, 1993, or Option 2) Installation Instructions No. PPRI-2000, Revision 9, dated May 12, 1993, or Option 3) Installation Instructions No. PPRI-1000, Revision 4, dated March 31, 1992, or later FAA Approved Revisions.

NOTE: This pulse rate system is considered optional equipment and the aircraft may be dispatched with the system turned off. In case of malfunction, an alternate means of deactivating the system by pulling the circuit breaker has been evaluated as an alternate configuration and is considered acceptable for dispatch. Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and AML No. SA4005NM, must be maintained as part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until as rendered, superseded, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: July 21, 1984

Date of issuance: August 19, 1988

Date received: March 31, 1988; May 4, 1989;

Signature of the Administrator: June 24, 1993

Manager, Special Certification Branch
Seattle Aircraft Certification Office



(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred in accordance with FAR 21.47.

PRECISE FLIGHT PULSELITE

Issue Date: August 19, 1987

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS	AML AMENDMENT DATE
	PIPER AIRCRAFT CORPORATION (CONTINUED)	PA-22, -22-108, -22-135, -22-150, -22S-150, -22-160, -22S-160	1A6	CAR 3	PPRI-2000 PPRI-3000	03/31/88 05/04/89
		PA-23, -23-160, -23-235, -23-250, (NAVY UO-1) -E23-250	1A10	CAR 3		
		PA-24, -24-250, -24-260, -24-400	1A5	CAR 3		
		PA-25, -25-235, -25-260	2A8	CAR 3		
		PA-28-140, -28-150, -28-151, -28-160, -161, -180, -28S-235, -28S-160, -28S-180, -28R-180, -28-181, -28R-200, -28R-201 -28R-201T, -28RT- 201, -28RT-201T, -28-201T, -28-236	2A13	CAR 3		
		PA-30, PA-39, PA-40	A1EA	CAR 3		
		PA-31, -31-300, -31-325, -31-350	A20S0	CAR 3 (FAR 23)		

Note: Install Manual PPRI-1000 covers Model 2400-25-4-4, PPRI-2000 covers Model 1220/2410-2 and PPRI-3000 covers Model 1210/2405-2A

PRECISE FLIGHT PULSELITE

Issue Date: August 19, 1987

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL CERTIFICATE TYPE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS	AML AMENDMENT DATE
	PIPER AIRCRAFT CORPORATION (CONTINUED)	PA-31P,-31T,-31T1,-31T2,-31T3,-31P-350	A8EA	CAR 3 (FAR 23)	PPRI-2000	03/31/88
		PA-32-260,-32-300,-32S-300,-32R-300,-32RT-300,-32RT-300,-32R-301,-32R-301T,-32-301 -32-301T	A3SO	CAR 3	PPRI-3000	05/04/89
		PA-34-200,-200T,-220T	A7SO	FAR 23		
		PA-36-285,-36-300,-36-375(NORMAL CAT)	A9SO	FAR 23		
		PA-36-285,-36-300,-36-375(RESTRICTED)	A10SO	FAR 21		
		PA-38-112	A18SO	FAR 23		
		PA-42,-42-720,-42-1000	A23SO	FAR Part 23		
		PA-44-180,-44-180T	A19SO	FAR 23		
		PA-46-310P,	A25SO	FAR 23		
		PA-60-600(AEROSTAR 600)		A17WE	FAR 23	
		-60-601(AEROSTAR 601)				
		-60-601P(AEROSTAR 601P)				
		-60-602P(AEROSTAR 602P)				
		-60-700P(AEROSTAR 700P)				

Note: Install Manual PPRI-1000 covers Model 2400-25-4-4, PPRI-2000 covers Model 1220/2410-2 and PPRI-301 covers Model 1210/2405-2A