

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

FOR FAA USE ONLY

OFFICE IDENTIFICATION
ASD-PSD-15

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 REPUBLIC	MODEL RC-3
	SERIAL NO. 443	NATIONALITY AND REGISTRATION MARK N6240K
2. OWNER	NAME (As shown on registration certificate) HARLAN ASSOCIATES OF SPRUCE CREEK	ADDRESS (As shown on registration certificate) 3511 SILVERSIDE ROAD STE. 105 WILMINGTON, DE 19810-4902

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

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

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS HARVEY BARNETT 6160 SABAL POINT CIRCLE PORT ORANGE, FL 32124	B. KIND OF AGENCY	C. CERTIFICATE NO. A&P 1302210
	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	
	<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 8/19/00	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Harvey D Barnett</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 FLT. STANDARDS INSPECTOR	MANUFACTURER	XX	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	

DATE OF APPROVAL OR REJECTION 8/19/00	CERTIFICATE OR DESIGNATION NO. IA1302210	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Harvey D Barnett</i>
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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 "J. P. Instruments" EGT-800. Installation as per installation manual #103 & report #503 dated 9-1-99. All work done in accordance with above manuals and as per S.T.C. SA2586NM, and S.T.C.SA00432SE.

ADDITIONAL SHEETS ARE ATTACHED

United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA2586NM

This Certificate issued to J. P. INSTRUMENTS
PO Box 7033
Huntington Beach, CA 92646

certifies that the change in the type design for the following product with the limitations and conditions thereof as specified herein meets the airworthiness requirements of Part 3 of the Civil Aviation Regulations, including respective Amendments as specified in the attached Approved Model List.

- Original Product Type Certificate Number:* • *See attached FAA Approved J.P. Instruments
- Make:* • Master Eligibility List No. SA2586NM for list
- Model:* • of approved aircraft models and applicable TCDS

Description of Type Design Change:

Installation of J. P. Instruments temperature monitoring systems in accordance with FAA Approved J. P. Instruments Drawing List Report No. 100, Revision D, dated December 19, 1996, or later FAA approved revisions. FAA Approved Airplane/Rotorcraft Flight Manual Supplement No. 1 for EGT-701 temperature indicator, Revision A, dated December 13, 1996, or later FAA approved revisions.

Limitations and Conditions: The approval of the change in type design applies to the basic airplane of the specific models that are otherwise unmodified. This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission. (See continuation sheet)

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

Date of application: December 31, 1984

Date of issuance: August 14, 1985

Date revised:

July 13, 1987, November 13,
1992, December 19, 1996, May 15, 1998,
June 17, 1999

By direction of the Administrator



[Signature]
(Signature)

Manager, Propulsion Branch
Los Angeles Aircraft Certification Office

(7)(b)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

MAKE	AIRCRAFT MODEL	Part Number T.C.D.S. (See P. 9 for Series)	
Piper	PA-28R-201,-28R-201T -28-201T, PA-28RT-201,-28RT-201T,-28-201	2A13	(6*), (B*)
Piper	PA-30, PA-39, PA-40	A1EA	(4T), (AT)
Piper	PA-31,-31-300,-31-325,-31-350	A20SO	(6T), (BT)
Piper	PA-31P,31P-350	A8EA	(6T*), (BT*)
Piper	PA-32-280,-32-300,-32S-300 PA-32R-300,-32RT-300,-32RT-300T, PA-32R-301,-32R-301T, PA-32-301,-32-301T	A3SO	(6*), (B*)
Piper	PA-34-200	A7SO	(4T), (AT)
Piper	PA-34-200T,-220T	A7SO	(6T*), (BT*)
Piper	PA-38-112	A18SO	(4), (A)
Piper	PA-44-180,-44-180T	A19SO	(4T*), (AT*)
Piper	PA-48-310P,-350P	A25SO	(6T*), (BT*)
Piper	PA-60-600,-60-601,-60-700P, A, CR PA-60-601P, PA-60-602P, PA-60-650	A17WE	(6T*), (BT*)
→ Republic	RC-3	769	(6), (B)
Robinson Helicopter	R22, R22 ALPHA, R22 BETA, R22 MARINER R44	H10WE H11NM	(4), (A) (6), (B)
Siai-Marchetti	S.205-18/F, -18/R, -20/F, -20/R, -22/R, S.208, S208A F.260, F.260B, F.260C, F.260D, , F.260E, , F.260F,	A8EU A10EU	(4), (A) (6*), (B*)
S.O.C.A.T.A Aerospatale	TB9,10, TB20, TB21,200	A51EU A51EU	(4), (A) (6*), (B*)
Swift	GC-1A	768	(4), (A)
Swift	GC-1B	768	(6), (B)
Thompson	Navlon, A, B, D, E, F, G, H	A782	(6), (B)
VARGA	2150, 2150A, 2180	4A19	(4), (A)
Augustair, Inc. WAC	YMF, YKC, YKC-S, YKS-6, ZKS-6 UPF-7 VPF-7	ATC542 A-533 A-642	(7), (C) (7), (C) (7), (C)

approved AFM Supplement is required with the EGT-701. The EGT-701 is applicable to all EGT-100/200 series and MAP applicable to the PW EGT-701, 4 and 6 cylinder engines only.