United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA1626NM

This certificate, issued to Electronics International, Inc.

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the Civil/Federal Regulations.

Original Product - Trype Certificate Number: *

Make: Model: See attached Approved Model List No. SA1626NM for list of approved airplane models and applicable airworthiness regulations.

Description of Type Design Change: Installation of Electronics International EGT's/CHT's, remote switches, probes, cables, and accessories in accordance with Electronics International, Inc. Installation Instruction No. 070781, dated February 25, 1985, or later FAA approved revisions.

<u>Model</u>	<u>Type</u>	<u>Model</u>	Type
EC-1	EGT/CHT	C-6	6 Channel CHT
E-4	4 Channel EGT	EC-2	EGT/CHT
E-6	6 Channel EGT	E-2	EGŤ
C-4	1 Channal CHT	Γō	CUT (Conti

Limitations and bonditions: Approval of this change applies to the above model aircraft only. This approval should not be extended to 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, Addendum, Approved Model List No. SA1626NM, and Electronics International, Inc. Installation Instructions No. 070781, dated February 25, 1985, or later FAA approved revisions, must be maintained as part of the permanent records for the modified aircraft. (Cont. pg. 3) This certificate and the supporting data which is the lasts for approval shall remain in effect until sur-

rendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the

Federal Aviation Administration.

Date of application: May 30, 1982

Dale of issuance: September 20, 1982

Sale reissued:

Date amended: April 13, 1983; May 7, 1986; July 30, 1992

By direction of the Administrator

(Signature)

Acting 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.

United States of America

Department of Transportation—Jederal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA1626NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA1626NM

<u>Description of Type Design Change</u>: (Continued from page 1)

<u>Model</u>	<u>Type</u>
RS4-1	4 Channels, Single Function
RS-6-1	6 Channels, Single Function
RS-8-1	8 Channels, Single Function
RS-12-1	12 Channels, Single Function
RS-4-2	4 Channels, Dual Function
RS-6-2	6 Channels, Dual Function
E-1	Single Channel, EGT Unit
EC-1D	Single Channel, EGT Unit with Differential
C-1	Single Channel, CHT Unit

<u>Limitations and Conditions</u>: (Continued)

NOTE: The Electronic International EGT's/CHT's monitoring units are <u>not</u> approved for use as alternates to required equipment. If the EGT/CHT gauge is a required instrument on the aircraft, then Electronic International's monitoring units can be used, only if it is a standby to the primary instrument.

- END -

List of Active Pages for Approved Model List (AML) SA1626NM

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FAA Approved by:	Roull	I have
Date: _	4-6-93	

for Installation Of Electronics International Digital EGT/CHT Instruments and Accessories

			Original Type	Certification Basis	FAA Şeale	FAA Sealed Drawings		lation ctions	AML
Item	Aircraft Make	Aircraft Model	Certificate Number	for Alteration	Number	Rev. No.	Number	Date	Amend. Date
					TD121161	12/11/86	070781	2/25/85	
1.	Aerocar Inc.	I	4A16	CAR 3	31	н	ti-	Ð	None
2.	Aeronca Inc. (also see trytek)	C-2 Series C-3 Series K&50 Series L Series	ATC 351 A 396 -688, -676 ATC 596 & 614 A802	FAR 23	11	11	11	11	6/02/92
3.	Aero- spatiale (Also see Socata)	SE 3160 Alovette- III SA 315 Series SA 316 Series SA 319 Series 262A Series SN-601 SA-350 & 360 Series SA-365 Series	H1 IN A6 EU A37 EU H8 EU H10 EU	CAR 10 CAR 10 CAR 10 CAR 10 CAR 10 CAR 10 FAR 21.29 FAR 21.29 FAR 21.29	п	II	14	11	6/02/92
4.	Aircraft Associates Inc.	J-2	ATC 620	FAR 23	14	п	II	н	6/02/92
5.	Air Tractor Inc.	AT-300, -300,-302, -400	A9SW	FAR 21.25 (a)(1)	TD121161				5/24/88
6.	Artic Air- craft Co.	S-1A Series S-1B Series	A737 A754	CAR 4a CAR 4a	11	31	15	11	None
7.	Ayres Corp.	S-2R S Series 600 Series	A3SW A4SW 2A9 2A7 A3SW	CAR 3 CAR 8 CAR 8.10(a)(1)	11	и	н	o	None 6/02/92
8.	Ballauer	S2RSeries Funk Series	2-564	CAR 8	11	n	u	н	None
9.	Balloon Works, The	Fire Flys	A14SO	FAR 31	\$1	ш	ıı	н	3/09/93

Installation Of Electronics International Digital EGT/CHT Instruments and Accessories

			Original Type	Certification Basis	FAA Seale	FAA Sealed Drawings		Installation Instructions	
Item	Aircraft Make	Aircraft Model	Certificate Number	for Alteration	Number	Rev. No.	Number	Date	Amend. Date
					TD121161	12/11/86	070781	2/25/85	
10.	Beech Aircraft Corp.	B17B,B17L, SB17L B17R C17B,C17L C17R 18 Series 19,23,24 Series 33,35,36 Series 45 Series 50 Series	ATC 560 ATC 579 ATC 602 ATC 604 A-757, -765, A1CE 3A15 5A3 5A4	CAR 4a CAR Part 3 CAR Part 3 CAR Part 03 CAR Part 3 FAR Part 23 CAR 3		n	п	II	3/09/93 ii 6/02/92 6/02/92 None
		60 Series 65, 70, 90 Series 76 Series 77 Series F90 Series 95,55,56, 58 Series 99, 100 Series 200 Series 300,1900,& 1900C Series	A12CE 3A20 A29CE A30CE A31CE 3A16 A23CE A14CE A24CE	Part 23 Part 23 Part 23 CAR Part 3 FAR Part 23 FAR Part 23 FAR Part 23 FAR Part 23					6/02/92 None 6/02/92 " 6/02/92
11.	Bell Heli- copter Textron	47 Series 2048205 Series 212 Series 214 Series 222 Series 206 Series	H-1, 2H3, 2-H1 H1SW H4SW H6SW H9SW H2SW	CAR 6 CAR 7 FAR Part 29 FAR Part 29 FAR Part 29 CAR 6	"	11	II	16	6/02/92
12.	Bellanca Aircraft Corp.	7 Series 11 Series 14, 17, Series 8 Series 300 Series 400 Series	A-759, A-761, A-18CE A21CE ATC328 ATC319	CAR 4a CAR 4a FAR Part 23 FAR Part 23 FAR Part 23 FAR Part 23	11	n	u		None
13.	British Aerospace	Twin Pioneer Series 2&3 Beagle B206 Series 1&2 Beagle B121 Series 1,2,&3	7A7 A11EU A22EU A22CE	CAR 10 FAR 21.29 (CAR 3) FAR 21.29 (FAR 23)	11	n	II	11	None
14.	Camair Aircraft Corp.	Navion 480	2A2	CAR 3	15	н	11	и	6/02/92

for
Installation Of Electronics International Digital EGT/CHT Instruments and Accessories

			Original Type	Certification Basis	FAA Seale	d Drawings	Instal Instruc		AML
Item	Aircraft Make	Aircraft Model	Certificate Number	for Alteration	Number	Rev. No.	Number	Date	Amend. Date
					TD121161	12/11/86	070781	2/25/85	
15.	Cessna Aircraft (Also see Reims)	120,140 Series 150, 152 Series 170 Series	A768, 5A2 3A19 A799	CAR 4a CAR 3(CAR 4a) CAR Part 3 CAR Part 03	"	п	II	п	None
		172,175 Series 177 Series 180 Series 182, 185 Series	3A12, 3A17 A13CE,A20CE 5A6 3A13, 3A24	CAR Part 3 FAR Part 23 CAR Part 3					u
		188 Series 190,195 Series 206 Series 207 Series 210 Series 303, 305	A-761 A9CE A-790 A4CE A16CE 3A21	CAR 4a FAR Part 23 CAR 3 CAR Part 3 FAR Part 23 CAR Part 3				Rev B 5/23/86	03/09/93 6/02/92 6/02/92
		Series 310 Series 320, 335, 340 Series 336, 337, 401, 402, 411, 414,	5A5, 3A14 3A10 3A25 A2CE A6CE	CAR Part 3 CAR 3 CAR Part 3 CAR 3 CAR Part 3				2/25/85	None
		421, 425 Series 404	A7CE A25CE	CAR Part 3 FAR Part 23					11
16.	Christen Industries Inc.	S-1,S-2, Series (Pitts)	A8SO	FAR 21 (FAR 23)		11	11	11	None
17.	Child Doyle F.	S-1, S-2 Series (Pitts)	A8S0	FAR 21 (FAR 23)	51	11	и	н	6/02/92
18.	Consoli- dated Aeronautic	Colonial C. Series, Lake LA Series	1A13	CAR 03	н	II	11	n	None
19.	De Havîlland	DH Series	A8EU 2-439 2-393 7A10 A-816 A-807	FAR 21.29 FAR 21.29 FAR 21.29 CAR 10 CAR 10 CAR 10	u	н	н		6/02/92
		DHC Series	A9EA AR-33 AR-13 1A19	CAR 3 CAR 8 CAR 8 CAR 10				1	н
20.	Enstrom Heli- copters	F Series 280 Series	HICE	CAR Part 6	п	и	Lf	16	None
21.	Great Lakes	2T Series	ATC354 ATC-167 2-3339 ATC228 A18EA	FAR 23	II	п	11	40	6/2/92

Installation Of Electronics International Digital EGT/CHT Instruments and Accessories

			Original Type	Certification Basis	FAA Seale	d Drawings		lation uctions	AML
Item	Aircraft Make	Aircraft Model	Certificate Number	for Alteration	Number	Rev. No.	Number	Date	Amend. Date
					TD121161	12/11/86	070781	2/25/85	
22.	Gulfstream Aerospace	111 Series 112 Series 114 Series	1150 A1250 A1250	FAR 23 (FAR 36)	11	п	12	п	6/02/92
23.	Gulfstream American	Grumman: G-164 Series G Series AA Series	1A16 1A17, A12EA A11EA A16EA	CAR 8.10 (a)(1) CAR 4b FAR 23	"	и	и	ĸ	None
	Commander Division	GA Series 500 Series 111 112Series, 114Series	A17S0 6A1 A11SO A12S0	FAR 23 CAR 3 FAR 23 (Far 21) FAR 23 (Far 36)	11	11	n	rt.	6/02/92
24.	Helio Air- craft LTD (Navion)	H-250 H-295 HT-295 H-391 H-391B H-395 H-395A 500	1A8 1A8 1A8 1A8 1A8 1A8	CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3	11	ıı	ii	ч	None
25.	Hiller Aviation	UH-12 Series	6H1, 6H2, 4H10, 4H11, H1WE	CAR 6	II	18	Iŧ	IS	None
26.	Huges Heli- copters	300 Series 269 Series	4H12	CAR Part 6	"	II	lı	11	6/02/92 None
27.	Husky	A-1	A22NM	FAR 23	u	п	п	ıı	6/02/92
28.	Hynes	н-2, н-4	2H2	CAR Part 6	lf .	ıı .	11	п	None
29.	Industrie Aeronautic he E Meccaniche (See Piaggio)	PD 808/526 P. 166 Series	A12EU 7A4	FAR 21.29					3/09/93
30.	Lake	See con- solidated Aeronautic s							
31.	Maule Air-craft Corp.	M Series	3A23	CAR Part 3	и	11	11	41	None
32.	McDonnell Douglas	DC3 Series DC4 Series	A-807 A-618	CAR 7a CAR 7a	н	н	11	п	6/02/92
33.	Mooney	M20 Series (Mooney) M22	2A3 A6SW	CAR 3	п	=	н	ıı .	None 6/02/92
34.	Navion	See Camiar Ryan and Thompson							

for Installation Of Electronics International Digital EGT/CHT Instruments and Accessories

			Original Type	Certification Basis	FAA Seale	ed Drawings		lation ections	AML
Item	Aircraft Make	Aircraft Model	Certificate Number	for Alteration	Number	Rev. No.	Number	Date	Amend. Date
					TD121161	12/11/86	070781	2/25/85	
35.	North American Aviation	AT-6	A-2-575	CAR 4a	11	н	н	11	None
36.	Partenavia Cost- truzioni Aero- nautiche	P68 Series	A31EU	FAR 21.29 (FAR 23)	tt	ā1	ıı	ıı	None
37.	Piaggio (See Industrie)	P.136-L Series	A 813	CAR 10					03/09/93
38.	Pilatus Britten- Norman	BN Series	A17EU	FAR 21.29, FAR 23	u	п	и	ŧI	None
39.	Piper Aircraft Corp.	J2 Series J3 Series J4 Series	ATC595 ATC660 A-691 A-691 A-692 A-698 695 A-703 708, A-740,721 A-725	FAR 23 FAR 23 CAR 4a CAR4a CAR4a CAR 4a 695 CAR4a 708 CAR4a CAR4a	15	11	п		6/02/92 " None
		PA12Series PA14Series PA15Series PA16Series PA17Series PA18Series PA20Series PA22Series PA23Series PA24Series	A-780 A-797 A-800 1A1 A-805 1A2 AR-7 1A4 1A6 1A10	CAR 3 CAR 8.10(b) CAR 3 CAR 3 CAR 3 CAR 3 CAR 3	u	11	16	THE STATE OF THE S	И
		PA25Series PA28Series PA 30,39,	2A8, 2A10 2A13	CAR 3 CAR 8.10(b) CAR 3	"	18	18	11	6/02/92 None
		PA32Series PA32Series PA34Series PA36Series PA38Series PA44Series PA46Series PA-60-600 PA-60-601 PA-60-601P PA-60-602P PA-60-700P	A1EA A8EA A20SO A3SO A7SO A9SO A10SO A18SO A19SO A25SO A17WE A17WE A17WE	CAR 3 CAR 3 (FAR 23) CAR 3 FAR 23 FAR 23	n	II	11		6/02/92 ¹ 4/25/88 None
40.	Pitts	See Child		-	11				"
41.	Prop-Jets Inc. (Aero Commander)	200 Series	3A18	CAR 3 CAR 3 CAR 3	п	10	JI .	16	None

for
Installation Of Electronics International Digital EGT/CHT Instruments and Accessories

			Original Type	Certification Basis	FAA Seale	ed Drawings		lation ections	AML
Item	Aircraft Make	Aircraft Model	Certificate Number	for Alteration	Number	Rev. No.	Number	Date	Amend. Date
					TD121161	12/11/86	070781	2/25/85	
42.	Reims Aviation (Cessna)	172Series 150Series 182Series 337Series	A4EU A18EU A13EU A42EU A23EU A26EU	CAR 10 FAR 21.29 (CAR 3) FAR 21.29 CAR PART 3 FAR 21.29 (FAR 23) FAR PART 23	11	н	n	41	None
43.	Robinson Helicopter	R 22	H10WE	FAR 27	li	#1	п	n	None
44.	Rockwell Inter- national (Also see Ayres)	111Series 112Series 114Series 500,520 560,680, 681,690, 695,720	A12S0 A12S0 A12S0	FAR 23 (FAR 36)	II	и	31	18	None
45.	Rust, Robert F. (Chipmunk)	21,22 Series	A7S0, 6A1	FAR 23, CAR 3	11	11	II	п	6/02/92 None
46.	Ryan Aero- nautical Co.	SCW-145 ST Series	658 ATC 571 ATC 681 A-749	CAR 4a CAR 4a	11	11	11	11	6/02/92
47.	Ryan Aircraft Corp.	B Series	ATC 25	CAR 4a	11	и	11	11	6/02/92
48.	Sikorsky Aircraft	H19 Series S-39Series S-41-B S-43Series VS-44-A S-51Series S-52Series S-55Series S-61Series S-62A Series S-64Series S-64Series	HR1SO ATC-375 2-286 A-593 752 H-2 H-3 1H4 1 H11 1 H15	FAR 21.25 FAR 21.25 FAR 21.25 Aero Bul-7A CAR 4A CAR 6 CAR 6 CAR 6 CAR 7 CAR 7 CAR 7 CAR 8 FAR 29	11	n	н	n	6/02/92
49.	Socata Group Aero- spatiale	тв9,10, 20,21	A51EU		и	41	51	"	6/02/92
50.	Stearman Aircraft	C3 Series 4 Series	ATC55, 2-159 2-445 ATC251 2-155 ATC-305	FAR 23	16	н	п	14	6/02/92
		6 Series	ATC-292 ATC459	FAR 23					

FAA Approved Electronics International, Inc. Approved Model List (AML) SA1626NM for Installation Of Electronics International Digital EGT/CHT Instruments and Accessories

			Original Type	Certification Basis	FAA Seale	ed Drawings	Instal Instru		AML
Item	Aircraft Make	Aircraft Model	Certificate Number	for Alteration	Number	Rev. No.	Number	Date	Amend. Date
					TD121161	12/11/86	070781	2/25/85	
51.	Stinson	SM Series	ATC16 ATC136 ATC48 ATC145 ATC161 ATC294 ATC98	CAR 4a	Н	11	H	11	6/02/92
		SR Series	ATC519 ATC530 ATC580 ATC594 ATC608 ATC609	CAR 4a					ıı
		SR Series	ATC621 ATC625 ATC640	CAR 4a	п	a)	н		п
52.	Stol Amphibian	UC-1 (Twin-Bee)	A6EA	CAR 3	11	£1	11	н	None
	Corp.	Republic RC-3	A-769	CAR 03	u	31	и	21	n n
53.	Swift Museum Foundation	GC Series	A-766	CAR 4a		U	54	и	6/02/92
54.	Taylor- craft Aviation	BC & BCS Series 19 & F21 DC Series BF Series BL Series	A-696 1A9 A746 A-699 A-700	CAR Part 04 CAR Part 3 CAR 4a CAR 4a CAR 4a	"	и	п	III	None
55.	Thompson, Jimmie, Enterprise (Navion)	A through Z Series	A-782	CAR 3	11	п	11	u	6/02/92
56.	Trytek, E.J.	Aeronca CF,KC K, KS	ATC 655 A-634	FAR 23 FAR 23	19	п	11	п	6/02/92
57.	Univar Aircraft Corp.	108 Series	A-767 A-718	CAR 3	п	ıı	п	11	None
	(Forney) (Erco) (Stinson)	F-1 F-1A E (Mooney) G	A-787 A-787 A-787	CAR 3 CAR 3 CAR 3 CAR 3 CAR 3					
	(Alon) (Mooney) (Erco)	415-D A-2 A2-A M10 415-C 415-CD	A-787 A-787 A-787 A-787 A-718 A-718	CAR 3 CAR 3 CAR 3 CAR 3 CAR 4a CAR 4a					
58.	Varga Air- craft Corp.	2150Series	4A19	CAR 3	II	11	11	II	None

for

Installation Of Electronics International Digital EGT/CHT Instruments and Accessories

			Original Type	Certification Basis for Alteration	FAA Sealed Drawings		Installation Instructions		AML Amend.
Item	Aircraft Make		Certificate Number		Number	Rev. No.	Number	Date	Amend. Date
					TD121161	12/11/86	070781	2/25/85	
59. Waco A craft	Waco Air- craft	A Series	ATC26, 644 677 598 714 ATC41 ATC123	CAR 4a	u	10	11	It	6/02/92
		B&C Series	ATC168	"					
		D Series	ATC538 ATC639 ATC597 ATC42	п	11	12	н	н	n n
		E Series	665 2-430	н					
		G Series	ATC 13 2-363	¥Ł					
		I, J, K Series	2-361 ATC 313	u					
		0, P, Q							
		Series	ATC468 ATC464 ATC491 ATC453 ATC502	li II					
		R&S Series	ATC466 ATC311 ATC543	ш					
		U, Y, Z	1						
		Series	ATC542 ATC586 ATC627	11	н	11	31	и	
60.	Weatherly Aviation	201Series	A10WE	FAR 21.25 (a) (CAM8)	"	11	It	ţI	None
		620Series	A26WE	FAR 21.25 (a)					None