

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 — Type Certificate Number: * See attached Approved Model List No. SA1626NM
Make: for list of approved airplane models and
Model: 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>	<u>Type</u>
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	EGT
C-4	4 Channel CHT	C-2	CHT (Continued page 3)

Limitations and Conditions: 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 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: May 30, 1982

Date issued:

Date of issuance: September 20, 1982

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—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA1626NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA1626NM

Description of Type Design Change: (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

Limitations and Conditions: (Continued)

NOTE: The Electronic International EGT's/CHT's monitoring units are not 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 -

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FAA Approved
Electronics International, Inc.
Approved Model List (AML) SA1626NM
for

Installation Of Electronics International Digital EGT/CHT Instruments and Accessories

Issue Date: May 24, 1988

Item	Aircraft Make	Aircraft Model	Original Type Certificate Number	Certification Basis for Alteration	FAA Sealed Drawings		Installation Instructions		AML Amend. Date
					Number	Rev. No.	Number	Date	
					TD121161	12/11/86	070781	2/25/85	
1.	Aerocar Inc.	I	4A16	CAR 3	"	"	"	"	None
2.	Aeronca Inc. (also see trytek)	C-2 Series C-3 Series K&50 Series L Series 15 Series	ATC 351 A 396 -688, -676 ATC 596 & 614 A802	FAR 23 " " " "	"	"	"	"	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 H1 IN H1 IN H1 IN 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	"	"	"	"	6/02/92 " " "
4.	Aircraft Associates Inc.	J-2	ATC 620	FAR 23	"	"	"	"	6/02/92
5.	Air Tractor Inc.	AT-300, -300,-302, -400	A9SW	FAR 21.25 (a)(1)	TD121161				5/24/88
6.	Artic Aircraft Co.	S-1A Series S-1B Series	A737 A754	CAR 4a CAR 4a	"	"	"	"	None
7.	Ayres Corp.	S-2R S Series 600 Series S2R Series	A3SW A4SW 2A9 2A7 A3SW A4SW	CAR 3 CAR 8 CAR 8.10(a)(1) CAR 3 CAR 8	"	"	"	"	None 6/02/92 " "
8.	Ballauer	Funk Series	2-564	CAR 04.031	"	"	"	"	None
9.	Balloon Works, The	Fire Flys	A14SO	FAR 31	"	"	"	"	3/09/93

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					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 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	ATC 560 ATC 579 ATC 602 ATC 604 A-757, -765, A1CE 3A15 5A3 5A4 A12CE 3A20 A29CE A30CE A31CE 3A16 A23CE A14CE A24CE A24CE	CAR 4a CAR 4a CAR Part 3 CAR Part 3 Car Part 03 CAR Part 3 FAR Part 23 CAR 3 Part 23 Part 23 Part 23 CAR Part 3 FAR Part 23 FAR Part 23 FAR Part 23 FAR Part 23	"	"	"	"	3/09/93 " 6/02/92 6/02/92 None 6/02/92 None 6/02/92 " 6/02/92
11.	Bell Helicopter Textron	47 Series 204&205 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	"	"	"	"	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	"	"	"	"	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)	"	"	"	"	None
14.	Camair Aircraft Corp.	Navion 480	2A2	CAR 3	"	"	"	"	6/02/92

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15.	Cessna Aircraft (Also see Reims)	120,140 Series 150, 152 Series 170 Series 172,175 Series 177 Series 180 Series 182, 185 Series 188 Series 190,195 Series 206 Series 207 Series 210 Series 303, 305 Series 310 Series 320, 335, 340 Series 336, 337, 401, 402, 411, 414, 421, 425 Series 404	A768, 5A2 3A19 A799 3A12, 3A17 A13CE, A20CE 5A6 3A13, 3A24 A-761 A9CE A-790 A4CE A16CE 3A21 5A5, 3A14 3A10 3A25 A2CE A6CE A7CE A25CE	CAR 4a CAR 3(CAR 4a) CAR Part 3 CAR Part 03 CAR Part 3 FAR Part 23 CAR Part 3 CAR Part 3 CAR 4a FAR Part 23 CAR 3 CAR Part 3 FAR Part 23 CAR Part 3 CAR Part 3 CAR 3 CAR Part 3 CAR 3 CAR Part 3 CAR Part 3 FAR Part 23	"	"	"	"	None Rev B 5/23/86 2/25/85 "
16.	Christen Industries Inc.	S-1,S-2, Series (Pitts)	A8S0	FAR 21 (FAR 23)		"	"	"	None
17.	Child Doyle F.	S-1, S-2 Series (Pitts)	A8S0	FAR 21 (FAR 23)	"	"	"	"	6/02/92
18.	Consolidated Aeronautic	Colonial C. Series, Lake LA Series	1A13	CAR 03	"	"	"	"	None
19.	De Havilland	DH Series DHC Series	A8EU 2-439 2-393 7A10 A-816 A-807 A9EA AR-33 AR-13 1A19	FAR 21.29 FAR 21.29 FAR 21.29 CAR 10 CAR 10 CAR 10 CAR 3 CAR 8 CAR 8 CAR 10	"	"	"	"	6/02/92 " " "
20.	Enstrom Helicopters	F Series 280 Series	HICE	CAR Part 6	"	"	"	"	None
21.	Great Lakes	2T Series	ATC354 ATC-167 2-3339 ATC228 A18EA	FAR 23	"	"	"	"	6/2/92

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22.	Gulfstream Aerospace	111 Series 112 Series 114 Series	11S0 A12S0 A12S0	FAR 23 (FAR 36)	"	"	"	"	6/02/92
23.	Gulfstream American Commander Division	Grumman: G-164 Series G Series AA Series	1A16 1A17, A12EA A11EA A16EA A17S0 6A1 A11S0 A12S0	CAR 8.10 (a)(1) CAR 4b FAR 23 FAR 23 CAR 3 FAR 23 (Far 21) FAR 23 (Far 36)	"	"	"	"	None
		GA Series 500 Series 111 112Series, 114Series			"	"	"	"	6/02/92 "
24.	Helio Aircraft LTD (Navion)	H-250 H-295 HT-295 H-391 H-391B H-395 H-395A 500	1A8 1A8 1A8 1A8 1A8 1A8 A2EA	CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3	"	"	"	"	None
25.	Hiller Aviation	UH-12 Series	6H1, 6H2, 4H10, 4H11, H1WE	CAR 6	"	"	"	"	None
26.	Huges Helicopters	300 Series 269 Series	4H12	CAR Part 6	"	"	"	"	6/02/92 None
27.	Husky	A-1	A22NM	FAR 23	"	"	"	"	6/02/92
28.	Hynes	H-2, H-4	2H2	CAR Part 6	"	"	"	"	None
29.	Industrie Aeronautiche E Meccaniche (See Piaggio)	PD 808/526 P. 166 Series	A12EU 7A4	FAR 21.29 CAR 10					3/09/93 "
30.	Lake	See consolidated Aeronautics							
31.	Maule Aircraft Corp.	M Series	3A23	CAR Part 3	"	"	"	"	None
32.	McDonnell Douglas	DC3 Series DC4 Series	A-807 A-618	CAR 7a CAR 7a	"	"	"	"	6/02/92
33.	Mooney	M20 Series (Mooney) M22	2A3 A6SW	CAR 3 CAR 3	"	"	"	"	None 6/02/92
34.	Navion	See Camiar Ryan and Thompson							

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					TD121161	12/11/86	070781	2/25/85	
35.	North American Aviation	AT-6	A-2-575	CAR 4a	"	"	"	"	None
36.	Partenavia Cost-truzioni Aero-nautiche	P68 Series	A31EU	FAR 21.29 (FAR 23)	"	"	"	"	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	"	"	"	"	None
39.	Piper Aircraft Corp.	J2 Series	ATC595	FAR 23	"	"	"	"	6/02/92
		J3 Series	ATC660	FAR 23					"
			A-691	CAR 4a					None
			A-691	CAR4a					
			A-692	CAR4a					
			A-698	CAR 4a					
			695	695					
		J4 Series	A-703	CAR4a					
			708,	708					
			A-740,721	CAR4a					
		J5 Series	A-725	CAR4a					
		PA12Series	A-780	CAR 3					
		PA14Series	A-797	CAR 3					
		PA15Series	A-800	CAR 3					
		PA16Series	1A1	CAR 3	"	"	"	"	"
		PA17Series	A-805	CAR 3					
		PA18Series	1A2	CAR 3					
			AR-7	CAR 8.10(b)					
		PA20Series	1A4	CAR 3					
		PA22Series	1A6	CAR 3					
		PA23Series	1A10	CAR 3					
		PA24Series	1A15	CAR 3					
		PA25Series	2A8,	CAR 3					
			2A10	CAR 8.10(b)					
		PA28Series	2A13	CAR 3	"	"	"	"	6/02/92
		PA 30,39,							None
		40 Series	A1EA	CAR 3					
		PA31Series	A8EA	CAR 3					
			A20S0	(FAR 23)	"	"	"	"	6/02/92"
		PA32Series	A3S0	CAR 3					4/25/88
		PA34Series	A7S0	FAR 23					None
		PA36Series	A9S0	FAR 23					
			A10S0	FAR 21					
		PA38Series	A18S0	FAR 23					
		PA44Series	A19S0	FAR 23					
		PA46Series	A25S0	FAR 23					
		PA-60-600	A17WE	FAR 23					
		PA-60-601	A17WE	FAR 23					
		PA-60-601P	A17WE	FAR 23					
		PA-60-602P	A17WE	FAR 23					
		PA-60-700P	A17WE	FAR 23	"				"
40.	Pitts	See Child							
41.	Prop-Jets Inc. (Aero Commander)	200 Series	3A18	CAR 3 CAR 3 CAR 3	"	"	"	"	None

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42.	Reims Aviation (Cessna)	172Series 150Series 182Series 337Series 177Series	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	"	"	"	"	None
43.	Robinson Helicopter	R 22	H10WE	FAR 27	"	"	"	"	None
44.	Rockwell International (Also see Ayres)	111Series 112Series 114Series 500,520 560,680, 681,690, 695,720	A12S0 A12S0 A12S0 A7S0, 6A1	FAR 23 (FAR 36) FAR 23, CAR 3	"	"	"	"	None 6/02/92
45.	Rust, Robert F. (Chipmunk)	21,22 Series	A44EU	FAR 21.29	"	"	"	"	None
46.	Ryan Aeronautical Co.	SCW-145 ST Series	658 ATC 571 ATC 681 A-749	CAR 4a CAR 4a	"	"	"	"	6/02/92
47.	Ryan Aircraft Corp.	B Series	ATC 25	CAR 4a	"	"	"	"	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-58Series S-61Series S-62A Series S-64Series S-76Series	HR1S0 ATC-375 2-286 A-593 752 H-2 H-3 1H4 1 H11 1 H15 1 H13 H1EA H1NE	FAR 21.25 FAR 21.25 FAR 21.25 Aero Bul-7A CAR 4A CAR 6 CAR 6 CAR 6 CAR 6 CAR 7 CAR 7 CAR 8 FAR 29	"	"	"	"	6/02/92 " "
49.	Socata Group Aero-spatiale	TB9,10, 20,21	A51EU		"	"	"	"	6/02/92
50.	Stearman Aircraft	C3 Series 4 Series 6 Series	ATC55, 2-159 2-445 ATC251 2-155 ATC-305 ATC-292 ATC459	FAR 23 FAR 23 FAR 23	"	"	"	"	6/02/92 " "

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51.	Stinson	SM Series	ATC16 ATC136 ATC48 ATC145 ATC161 ATC294 ATC98	CAR 4a	"	"	"	"	6/02/92
		SR Series	ATC519 ATC530 ATC580 ATC594 ATC608 ATC609	CAR 4a	"	"	"	"	"
		SR Series	ATC621 ATC625 ATC640	CAR 4a	"	"	"	"	"
52.	Stol Amphibian Corp.	UC-1 (Twin-Bee) Republic RC-3	A6EA A-769	CAR 3 CAR 03	" "	" "	" "	" "	None "
53.	Swift Museum Foundation	GC Series	A-766	CAR 4a		"	"	"	6/02/92
54.	Taylorcraft 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	"	"	"	"	None
55.	Thompson, Jimmie, Enterprise (Navion)	A through Z Series	A-782	CAR 3	"	"	"	"	6/02/92
56.	Trytek, E.J.	Aeronca CF, KC K, KS	ATC 655 A-634	FAR 23 FAR 23	"	"	"	"	6/02/92
57.	Univar Aircraft Corp. (Forney) (Erco) (Stinson) (Alon) (Mooney) (Erco)	108 Series F-1 F-1A E (Mooney) G 415-D A-2 A2-A M10 415-C 415-CD	A-767 A-718 A-787 A-787 A-787 A-787 A-787 A-787 A-787 A-787 A-718 A-718	CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 3 CAR 4a CAR 4a	"	"	"	"	None
58.	Varga Aircraft Corp.	2150Series	4A19	CAR 3	"	"	"	"	None

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59.	Waco Aircraft	A Series	ATC26, 644 677 598 714 ATC41 ATC123	CAR 4a	"	"	"	"	6/02/92
		B&C Series	ATC168 ATC538	"					"
		D Series	ATC639 ATC597 ATC42	"	"	"	"	"	"
		E Series	665 2-430	"					
		G Series	ATC 13 2-363	"					
		I, J, K Series	2-361 ATC 313	"					
		O, P, Q Series	ATC468 ATC464 ATC491 ATC453 ATC502	"					
		R&S Series	ATC466 ATC311 ATC543	"					
		U, Y, Z Series	ATC542 ATC586 ATC627	"	"	"	"	"	"
60.	Weatherly Aviation	201Series	A10WE	FAR 21.25 (a) (CAM8)	"	"	"	"	None
		620Series	A26WE	FAR 21.25 (a)					None