

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

Number SA5926NM

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 * Regulations.*

Original Product — Type Certificate Number: * See attached FAA Approved Model List (AML)
Make: * No. SA5926NM for list of approved airplane
Model: * models and applicable regulations.

Description of Type Design Change: Electronics International manifold pressure instrument manufactured and installed in accordance with the drawings and installation instructions specified on the FAA Approved Model List (AML) of this STC, or later FAA approved revisions.

Limitations and Conditions: 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 FAA Approved Model List (AML) No. SA5926NM, dated February 17, 1993, or later FAA approved revision, 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 surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: November 10, 1992

Date issued:

Date of issuance: February 17, 1993

Date amended:



By direction of the Administrator

[Handwritten Signature]

(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.

This certificate may be transferred in accordance with FAR 21.47.

FAA Approved Model List (AML) SA5926NM
For
Electronics International Manifold Pressure Instrument

Issue Date: February 17, 1993

Item	Aircraft Make	Aircraft Model	Original Type Certificate Number	Certification Basis for Alteration	FAA Sealed Drawings		Installation Instructions		Instrument Model Number (See Note 1)	AML Amended Date
					Number	Rev	Number	Rev. No		
----	-----	-----	-----	-----	TD0328921	None	OI 0517912	C	-----	-----
1.	Aeronca Inc. (See American, Bellanca)	50-LA, 65-LA, -LB 15AC, S15AC	A-702 A-802	Car 4a Car 3	" "	" "	" "	" "	M-1-G100R320 M-1-G100R320	6/3/94 "
2.	Aerospatale	See Socata.	-----	-----	-----	----	-----	-----	-----	6/3/94
3.	American Blimp	A-60, A-60+ A-1-50	AS1NM S00002SE	FAR 21	" "	" "	" "	" "	M-1-G100R320 M-1-G100R320	10/30/97 "
4.	American Champion (Also see Aeronca & Bellanca)	7AC, 7BCM, 7DC, S7DC, 7CCM, S7CCM, 7JC, 7EC, S7EC, S7CF, S7GC, 7HC, 7GCA, 7GCB, 7KC, 7GCBA, 7GCAA, 7GCBC, 7KCAB, 7ECA 8KCAB, 8GCBC 11AC, BC, S11AC, BC 11C, S11C	A-759 " " " " " " " A21CE A-761 A-796	CAR 4a " " " " " " " Far 23 Car 4a Car 3	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " " " "	" " " " " " " " " " " "	M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320	6/3/94 " " " " " " 10/30/97 " "
5.	Aviat Inc.	A-1 S-1S, S-1T, S-2, S-2A, S-2S, S-2B	A22NM A8SO "	FAR 23 FAR 21 "	" " "	" " "	" " "	" " "	M-1-G100R320 " "	6/3/94 " "

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----	-----	-----	-----	-----	TD0328921	None	OI 0517912	C	-----	-----
6.	Beech Aircraft Corp.	18 Series	A-684	Bul 7A	"	"	"	"	M-1-G100R320	8/15/93
		19A, B19, M19A	A1CE	CAR 3 "	"	"	"	"	M-1-G100R320	"
		23, A23, A23A	"	"	"	"	"	"	M-1-G100R320	"
		A23-24, C23, B23	"	"	"	"	"	"	M-1-G100R320	"
		A24, A24R, B24R	"	"	"	"	"	"	M-1-G100R320	"
		C24R	"	"	"	"	"	"	M-1-G100R320	"
		35, A35, B35, C35	A-777	"	"	"	"	"	M-1-G100R296	"
		D35, E35, F35, G35	"	"	"	"	"	"	M-1-G100R296	"
		35R, H35, J35, K35	"	"	"	"	"	"	M-1-G100R296	"
		M35, N35, P35, S35	"	"	"	"	"	"	M-1-G100R296	"
		V35, V35A, V35B	"	"	"	"	"	"	M-1-G100R296	"
		35-33, 35-A33	"	"	"	"	"	"	M-1-G100R296	"
		35-B33, 35-C33	"	"	"	"	"	"	M-1-G100R296	"
		35-C33A, E33, E33A	"	"	"	"	"	"	M-1-G100R296	"
		E33C, F33, F33A	"	"	"	"	"	"	M-1-G100R296	"
		F33C, G33, 36, A36	3A15	"	"	"	"	"	M-1-G100R296	"
		A36TC, B36TC	"	"	"	"	"	"	M-1-G100R360	"
		45, A45, D45	5A3	CAR 3	"	"	"	"	M-1-G100R320	10/30/97
		50, C, D, E, F, G, H, J	5A4	"	"	"	"	"	M-1-G100R450	8/15/93
		A55, B55, B55B, C55	3A16	"	"	"	"	"	M-1-G100R296	"
		C55A, D55	"	"	"	"	"	"	M-1-G100R296	"
		D55A, E55, E55A	"	"	"	"	"	"	M-1-G100R296	"
		56TC, A56TC	"	"	"	"	"	"	M-1-G100R415	"
		58, 58A	A23CE	FAR 23	"	"	"	"	M-1-G100R296	"
		58P, 58PA, 58TC	"	"	"	"	"	"	M-1-G100R395	"
		58TCA	"	"	"	"	"	"	M-1-G100R395	"
		60, A60, B60	A12CE	"	"	"	"	"	M-1-G100R415	"
65, -80, -88, B, -90	3A20	CAR 3	"	"	"	"	M-1-G100Y450R480	"		
A65, -8200, 70, A90	"	"	"	"	"	"	M-1-G100Y450R480	"		
70	"	"	"	"	"	"	M-1-G100Y450R480	"		
76	A29CE	FAR 23	"	"	"	"	M-1-G100Y450R480	"		
77	A30CE	"	"	"	"	"	M-1-G100R320	"		
95, B95, B95A	3A16	CAR 3	"	"	"	"	M-1-G100R290	"		
D95A, E95, 95-55	"	"	"	"	"	"	M-1-G100R296	"		
95-A55, -B55	"	"	"	"	"	"	M-1-G100R296	"		
95-B55A, -B55B	"	"	"	"	"	"	M-1-G100R296	"		
95-C55, -C55A	"	"	"	"	"	"	M-1-G100R296	"		
7.	Bellanca Aircraft Corporation	14-19, 17-30, 17-31	1A3	CAR 3	"	"	"	"	M-1-G100R320	6/3/94
		17-31TC	"	"	"	"	"	"	M-1-G100R270	"
		17-30A, 17-31A	A18CE	FAR 23	"	"	"	"	M-1-G100R320	"
		17-31ATC	"	"	"	"	"	"	M-1-G100R270	"
8.	Boeing Aircraft	A75L3, A75N1, A75J1	A-743	Car 4a	"	"	"	"	M-1-G100R320	10/30/97
		A75L300, IB75A								

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----	-----	-----	-----	-----	TD0328921	None	OI 0517912	C	-----	-----
10.	Commander Aircraft	112, 112B 114 Series 112TC, 112TCA 500,A,B,U,S,520 560,A,E	A12SO " " 6A1 "	FAR 23 " " Car 3 "	" " " " "	" " " " "	" " " " "	" " " " "	M-1-G100R320 M-1-G100R320 M-1-G100R420 M-1-G100R320 M-1-G100R320	6/3/94 " " 10/30/97 "
11.	DeHavilland Aircraft of Canada, Ltd.	DHC-2 DHC-3	A-806 A-815	CAR 10 "	" "	" "	" "	" "	M-1-G100Y335R365 M-1-G100Y335R365	6/3/94 "
12.	Extra Flugzeugbau	EA-300, -300S, -300L EA-300/200	A67EU	FAR 23	"	"	"	"	M-1-G100R320	10/30/97
13.	Fairchild	24 C8C 24 R9	A-706 A-707	Bul 7A Car 4a	" "	" "	" "	" "	M-1-G100R320 M-1-G100R320	10/30/97 "
14.	Grumman	F8F-2 AF-2S	AR-32 AR-36	Car 8 "	" "	" "	" "	" "	M-1-G100R440 M-1-G100R470	10/30/97 "
15.	Gulfstream American Corp. (Grumman Aircraft)	AA-1, -1A, -1B, -1C AA-5, -5A, -5B	A16EA "	FAR 23 "	" "	" "	" "	" "	M-1-G100R320 "	6/3/94 "
16.	Helio Aircraft	15A, 20	3A3	Car 4a	"	"	"	"	M-1-G100R320	10/30/97
17.	Helio Enterprise	H-250, -295, -395&A H-391&B, -800, F-295 HT-295 H-700	1A8 " " "	Car 3 " " "	" " " "	" " " "	" " " "	" " " "	M-1-G100R320 M-1-G100R320 M-1-G100R291 M-1-G100R490	10/30/97 " " "
18.	Interceptor (Aero Commander) (Meyers)	200,A,B,D	3A18	Car3	"	"	"	"	M-1-G100R320	10/30/97
19.	Lake	See Revo.	-----	-----	-----	----	-----	-----	-----	6/3/94
20.	Luscombe	8,A,B,C,D,E,F,T-8F	A-694	CAR 4a	"	"	"	"	M-1-G100R320	6/3/94
21.	Maule	M-4,C,S,T,-180C,S M-4T,-210,-220,C,S M-5,-180C,-200 M-5-210C,TC,220C M-5-235C M-6-180 MX-7-235	3A23 " " " " " "	CAR 3 " " " " " "	" " " " " "	" " " " " "	" " " " " "	" " " " " "	M-1-G100R320 " " " " " "	6/3/94 " " " " " "

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					Number	Rev	Number	Rev. No		
----	-----	-----	-----	-----	TD0328921	None	OI 0517912	C	-----	-----
22.	Mooney Aircraft Corp.	M20 M20A M20B M20C M20D M20E M20F M20G M20J M20K M20K w/TS10-360-MB1 M20L M20M M22	2A3, " " " " " " " " " " " " " " " A6SW	CAR 3 " " " " " " " " " " " " " " "	" " " " " " " " " " " " " " "	" " " " " " " " " " " " " " "	" " " " " " " " " " " " " " "	" " " " " " " " " " " " " " " "	M-1-G100R320 " " " " " " " " " " M-1-G100R400 M-1-G100R360 M-1-G100R320 M-1-G100R380 M-1-G100R370	None " " " " " " " " " " " " " " "
23.	Moravan	Z 526L Z 242L,143L	A30EU A76EU	Far 21 Far 23	" "	" "	" "	" "	M-1-G100R320 M-1-G100R320	10/30/97 "
24.	Navion	See Thompson.	-----	-----	-----	----	-----	-----	-----	6/3/94

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-----	-----	-----	-----	-----	TD0328921	None	OI 0517912	C	-----	-----
25.	Piper Aircraft Corp.	PA-12,12S	A-797	Car 3	"	"	"	"	M-1-G100R320	10/30/97
		PA-14	A-80	"	"	"	"	"	M-1-G100R320	"
		PA-18&18A&18S, -125, -135, -150	1A2	CAR 3	"	"	"	"	M-1-G100R320	5/10/93
		PA-20&20S, 115, 135	"	"	"	"	"	"	M-1-G100R320	"
		PA-22&S, 135, 150, 160	1A4	"	"	"	"	"	M-1-G100R320	"
		PA-23	1A4	"	"	"	"	"	M-1-G100R320	"
		PA-23-160	1A10	"	"	"	"	"	M-1-G100R320	"
		PA-23-235	"	"	"	"	"	"	M-1-G100R320	"
		PA-23-250	"	"	"	"	"	"	M-1-G100R320	"
		PA-24-180	1A15	"	"	"	"	"	M-1-G100R320	"
		PA-24-250	"	"	"	"	"	"	M-1-G100R320	"
		PA-24-260	"	"	"	"	"	"	M-1-G100R320	"
		PA-24-400	"	"	"	"	"	"	M-1-G100R320	"
		PA-25-235	2A8	"	"	"	"	"	M-1-G100R320	"
		PA-25-260	"	"	"	"	"	"	M-1-G100R320	"
		PA-28-140	2A13	"	"	"	"	"	M-1-G100R320	"
		PA-28-150	"	"	"	"	"	"	M-1-G100R320	"
		PA-28-151	"	"	"	"	"	"	M-1-G100R320	"
		PA-(28 or 28S)-160	"	"	"	"	"	"	M-1-G100R320	"
		PA-28-161	"	"	"	"	"	"	M-1-G100R320	"
		PA-(28 or 28R)-180	"	"	"	"	"	"	M-1-G100R320	"
		PA-28-181	"	"	"	"	"	"	M-1-G100R320	"
		PA-28R-200	"	"	"	"	"	"	M-1-G100R320	"
		PA-28R-201	"	"	"	"	"	"	M-1-G100R320	"
		PA-(28 or 28R)-201T	"	"	"	"	"	"	M-1-G100R410	"
		PA-28RT-(201, 201T)	"	"	"	"	"	"	M-1-G100R410	"
PA-28-235 & 236	"	"	"	"	"	"	M-1-G100R320	"		
PA-31	A20S0	"	"	"	"	"	M-1-G100R430	"		
PA-31P	"	"	"	"	"	"	M-1-G100R455	"		
PA-31-325	"	"	"	"	"	"	M-1-G100R490	"		
PA-31-350	"	"	"	"	"	"	M-1-G100R490	"		

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----	-----	-----	-----	-----	TD0328921	None	OI 0517912	C	-----	-----
25.	Piper Aircraft Corp. (Cont.)	PA-32-260 PA-32-300 PA-32R-300 PA-32RT-300T PA-32-301 PA-32-301T PA-32R-301 PA-32R-301T PA-34-200 PA-34-200T PA-34-220T PA-36-285 PA-36-300 PA-36-375 PA-38-112 PA-39 PA-44-180 PA-44-180T PA-46-310P PA-46-350P PA-60-600 PA-60-601 PA-60-601P PA-60-602P PA-60-700P	A3SO " " " " " " " A7SO " " A9SO " " A18SO A1EA A19SO " A25SO " A17WE " " " "	CAR 3 " " " " " " " FAR 23 " " " " " CAR 3 FAR 23 " " " " " " " " "	" "	" "	" "	M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100Y330R360 M-1-G100R320 M-1-G100R360 M-1-G100R320 M-1-G100R360 M-1-G100R320 M-1-G100R400 M-1-G100R400 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R320 M-1-G100R365 M-1-G100R380 M-1-G100R420 M-1-G100R320 M-1-G100R295 M-1-G100R295 M-1-G100R370 M-1-G100R420	5/10/93 "	
26.	Pitts	See Aviat.	-----	-----	-----	----	-----	-----	-----	6/3/94
27.	Prop-Jet (Aero Commander)	200, -A, -B, -C, -D	3A18	CAR 3	"	"	"	"	M-1-G100R293	9/30/97
28.	Revo Inc. (Lake)	C-1, -2 LA-4, -4A, -4P LA-200, 250	1A13 " "	" " "	" " "	" " "	" " "	" " "	M-1-G100R320 " "	6/3/94 " "
29.	Rockwell Int. Corp.	See Commander.	-----	-----	-----	----	-----	-----	-----	6/3/94 "
30.	Schweizer	G-164 w/W-670-6A	1A16	Car 8	"	"	"	"	M-1-G100R280	10/30/97
31.	Sky (SeaBee)	RC 2, 3, 4	A-769	Far 21	"	"	"	"	M-1-G100R320	6/3/94
32.	Socata Group (Aerospatiale)	TB9 TB10 TB20, TB21, TB-200	A51EU " "	CAR 3 " "	" " "	" " "	" " "	" " "	M-1-G100R320 " "	6/3/94 " "

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33.	Stinson	See Univair.	-----	-----	-----	----	-----	-----	-----	6/3/94
34.	Swift (Globe)	GC-1A, GC-1B	A-766	CAR 4a	"	"	"	"	M-1-G100R320	10/30/97
35.	Thompson, Jimmie, Enterprise (Navion)	A, B, C	A-782	CAR 3	"	"	"	"	M-1-G100R320	6/3/94
		D, E, F	"	"	"	"	"	"	"	"
		G, H,	"	"	"	"	"	"	"	"
36.	Univair Aircart (Stinson)	108, 108-1 108-2, -3, -5	A-767 "	CAR 3 "	" "	" "	" "	" "	M-1-G100R320 "	6/3/94 "
37.	Zenair	CH2000	TA5CH	FAR 21	"	"	"	"	M-1-G100R320	10/30/97
----	- End of List -	-----	-----	-----	-----	----	-----	-----	-----	-----

Note 1: Electronics International Instrument Model Designation System

M-1 () - ()

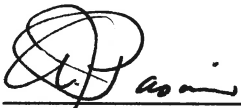
A combination of letters and numbers defining the green, yellow and red Manifold Pressure Arcs that the analog portion of the instrument was programmed to.

A Letter here indicates any major changes in the hardware and/or software of the instrument.

Indicates the base model number of the instrument.

Example: M-1-G100Y190G200R295 indicates the following markings and calibration: A green arc from 10.0 to 18.9 "Hg., a yellow arc from 19.0 to 19.9 "Hg., a green arc from 20.0 to 29.4 " Hg. and red from 29.5 "Hg. on up. Arc information is for reference only.

FAA Approved:



Date: 12/2/97

Acting Manager, Seattle
Aircraft Certification Office