

United States of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SA02402SE

This certificate, issued to

Electronics International Inc.
63296 Powell Butte Highway
Bend, OR 97701

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

Original Product—Type Certificate Number:

* See attached Federal Aviation Administration (FAA)

Make:

Approved Model List (AML) SA02402SE for approved

Model:

aircraft models and applicable airworthiness regulations

Description of the Type Design Change: Installation of Electronics International Inc. Glass Panel Engine Monitor (with In-Flight Data) CGR-30C in accordance with the applicable master drawing list as specified on AML SA02402SE, or later FAA-approved revision. This modification must be inspected and maintained in accordance with Electronics International, Inc. Instructions for Continued Airworthiness, Document No. 06211301, Revision E, dated March 28, 2014, or later FAA-accepted revision.

Limitations and Conditions: Approval of this change in type design applies to the airplanes listed on AML SA02402SE only. This approval should not be extended to other aircraft of these models unless the installer determines that the relationship between this change and any other previously incorporated approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate, AML SA02402SE, the ICA, and the FAA-approved airplane flight manual supplement as specified on AML SA02402SE, must be maintained as part of the permanent records for the modified aircraft.

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.

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: October 30, 2013

Date reissued:

Date of issuance: June 24, 2014

Date amended:



By direction of the Administrator

John F. Dill
(Signature)

Manager, 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.

FEDERAL AVIATION ADMINISTRATION (FAA) APPROVED MODEL LIST (AML) SA02402SE
FOR
INSTALLATION OF ELECTRONICS INTERNATIONAL INC. GLASS PANEL ENGINE MONITOR (WITH IN-FLIGHT DATA) CGR-30C
ISSUE DATE: June 24, 2014

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TC NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA APPROVED AIRCRAFT FLIGHT MANUAL SUPPLEMENT		FAA APPROVED MASTER DRAWING LIST		AML REV DATE
					Number	Revision*	Drawing	Revision*	
---	---	---	---	---	AFM1030131	Revision B	MDL 02041301	Revision New, dated February 4, 2013	---
1.	Aermacchi S.p.A.	S.205-18/F, S.205-18/R, S.205-20/F, S.205-20/R, S.205-22/R, S.208, S.208A	A9EU	FAR 21	"	"	"	"	
2.	Aermacchi S.p.A.	F.260, F.260B, F.260C, F.260D, F.260E, F.260F	A10EU	FAR 21.29	"	"	"	"	
3.	Aero Commander	(Voltaire) 10, (Voltaire) 10A, (Aero Commander) 100, (Aero Commander) 100A, (Aero Commander) 100-180	1A21	CAR 3	"	"	"	"	
4.	Aeromot	AMT-100, AMT-200, AMT-300, AMT-200S	TG00004AT	FAR 21	"	"	"	"	
5.	Aeronca	50-L, 50-LA, 65-LA, (L-3G) 65-LB	A-702	CAR 4a	"	"	"	"	
6.	Aeronca	C-3, PC-3	A-396	Aero. Bulletin 7-A	"	"	"	"	
7.	Aerostar	PA-60-600 (Aerostar 600) PA-60-601 (Aerostar 601) PA-60-601P (Aerostar 601P) PA-60-602P (Aerostar 602P) PA-60-700P (Aerostar 700P)	A17WE	FAR 23	"	"	"	"	
8.	Air Tractor	AT-250, AT-300, AT-301	A9SW	FAR 21.25(a)(1)	"	"	"	"	
9.	Air Tractor	AT-401, AT-401A, AT-401B, AT-501	A17SW	FAR 21	"	"	"	"	
10.	Alexandria Aircraft	14-19, 14-19-2, 14-19-3, 14-19-3A, 17-30, 17-31, 17-31TC	1A3	CAR 3	"	"	"	"	
11.	Alexandria Aircraft	17-30A, 17-31A, 17-31ATC	A18CE	FAR 23	"	"	"	"	
12.	Allied Ag Cat Productions, Inc.	G-164, G-164A, G-164B, G-164C	1A16	CAR 8	"	"	"	"	

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13.	American Champion (Bellanca, Champion, Aeronca)	7AC, 7ACA, S7AC, (L-16A) 7BCM, (L-16B) 7CCM, S7CCM, 7DC, S7DC, 7EC, S7EC, 7ECA, 7FC, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KC, 7KCAB	A-759	CAR 4a	"	"	"	"	
14.	American Champion (Bellanca, Champion)	8KCAB, 8GCBC	A21CE	CAR 8	"	"	"	"	
15.	American Champion (Aeronca, Bellanca, Trytek)	11AC, S11AC, 11BC, S11BC	A-761	CAR 4a	"	"	"	"	
16.	American Champion (Aeronca, Bellanca, Trytek)	11CC, S11CC	A-796	CAR 3	"	"	"	"	
17.	Arizona Aerospace (Taylorcraft)	(Army L-2, L-2C) DC-65, (Army L-2E) DF-65, (Army L-2D) DL-65, (Army L-2A, -2B, -2M) DCO-65	A-746	CAR 4a	"	"	"	"	
18.	Aviat Aircraft, Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C-200	A22NM	FAR 23	"	"	"	"	
19.	Aviat Aircraft, Inc.	S-1S, S-1T, S-2, S-2A, S-2S, S-2B, S-2C	A8SO	FAR 23	"	"	"	"	
20.	B-N Group Ltd.	BN-2, BN-2A, BN-2A-6, BN-2A-8, BN-2A-2, BN-2A-9, BN-2A-3, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27	A17EU	FAR 21	"	"	"	"	
21.	Beechcraft	D17A	713	CAR 4a	"	"	"	"	
22.	Beechcraft	D17R (Army UC-43A)	638	CAR 4a	"	"	"	"	

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23.	Beechcraft	D17S (Army UC-43, UC-43B, Navy GB-1, GB-2), SD17S	A-649	Aero. Bulletin 7-A	"	"	"	"	
24.	Beechcraft	E17B (Army UC-43D) SE17B, E17L	641	CAR 4a	"	"	"	"	
25.	Beechcraft	F17D, SF17D	689	CAR 4a	"	"	"	"	
26.	Beechcraft	G17S	779	Aero. Bulletin 7-A	"	"	"	"	
27.	Beechcraft	18A, S18A	630	Aero. Bulletin 7-A	"	"	"	"	
28.	Beechcraft	18D, A18A, A18D, S18D, SA18A, SA18D	A-684	Aero. Bulletin 7-A	"	"	"	"	
29.	Beechcraft	Beechcraft C18S (Army C-45, -45A, -45F, UC-45B, -45F, AT-7, -7A, -7B, -7C; Navy JRB-1, -2, -3, -4, SNB-2, -2C)	A-757	CAR 4a	"	"	"	"	
30.	Beechcraft	19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	A1CE	CAR 3	"	"	"	"	
31.	Beechcraft	35, A35, B35, C35, D35, E35, F35, G35, 35R	A-777	CAR 3	"	"	"	"	
32.	Beechcraft	45 (YT-34), A45 (T-34A, B-45), D45 (T-34B)	5A3	CAR 3	"	"	"	"	
33.	Beechcraft	50 (L-23A), B50 (L-23B), C50, D50 (L-23E), D50A, D50B, D50C, D50E, D50E-5990, E50 (L-23D, RL-23D), F50, G50, H50, J50	5A4	CAR 3	"	"	"	"	
34.	Beechcraft	B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B (T-42), 95-C55, 95-C55A, G58, D55, D55A, E55, E55A, 56TC, A56TC, 58, 58A, 95, B95	3A16	CAR 3	"	"	"	"	
35.	Beechcraft	58P, 58PA, 58TC, 58TCA	A23CE	FAR 23	"	"	"	"	
36.	Beechcraft	60, A60, B60	A12CE	FAR 23	"	"	"	"	
37.	Beechcraft	65 (L-23F), A65, A-65-8200, 65-80, 65-A80, 65-A80-8800, 65-B80, 65-88	3A20	CAR 3	"	"	"	"	

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38.	Beechcraft	76	A29CE	FAR 23	"	"	"	"	
39.	Beechcraft Corporation	77	A30CE	FAR 23	"	"	"	"	
40.	Beechcraft	35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, H35, G36, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC	3A15	CAR 3	"	"	"	"	
41.	Bellanca	14-13, 14-13-2, 14-13-3, 14-13-3W	A-773	CAR 4a	"	"	"	"	
42.	Blanchair (Eagle)	DW-1	A4NW	FAR 21	"	"	"	"	
43.	Boeing (North American)	BC-1A, AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), T-6G, SNJ-7	A-2-575	CAR 4a	"	"	"	"	
44.	Boeing	A75L3, 75 (Army PT-13), A75 (Army PT-13A, -13B, -13C), B75 (Navy N2S-5), E75 (Army PT-13D, Navy N2S-5, PT-13D/N2S-5), A75J1 (Army PT-18), A75L300, A75N1 (Army PT-17, -17A; Navy N2S-1, -4), B75N1 (Navy N2S-3), D75N1 (Army PT-27) IB75A, E75N1	A-743	CAR 4a	"	"	"	"	
45.	Boeing	DC3-G102, DC3-G102A(Army C-49E, C-50, C-50A, C-50B, C-50C, C-50D, C-51), DC3-G103A, DC3-G202A(Army C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K; Navy R4D-2)	A-618	Aero. Bulletin 7-A	"	"	"	"	

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46.	Bombardier	(Caribou) DHC-4 (Caribou) DHC-4A	1A19	CAR 10	"	"	"	"	
47.	Camair	480	2A2	CAR 3	"	"	"	"	
48.	Cessna	120, 140	A-768	CAR 4a	"	"	"	"	
49.	Cessna	C-145, C-165 (Army UC-94)	A-701	CAR 4a	"	"	"	"	
50.	Cessna	150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, A150K, 150L, A150L, 150M, A150M, 152, A152	3A19	CAR 3	"	"	"	"	
51.	Cessna	F150F, F150G, F150H, F150J, F150K, F150L, F150M, F152, FA150K, FA150L, FA150M, FA152, FRA150L, FRA150M	A13EU	CAR 3	"	"	"	"	
52.	Cessna	Cessna FR172E, Cessna FR172F, Cessna FR172G, Cessna FR172H, Cessna FR172J, Cessna FR172K	A18EU	CAR 3	"	"	"	"	
53.	Cessna	Cessna F177RG	A26EU	FAR 23	"	"	"	"	
54.	Cessna	Cessna F182P, Cessna F182Q, Cessna FR182	A42EU	CAR 3	"	"	"	"	
55.	Cessna	170, 170A, 170B	A-799	CAR 3	"	"	"	"	
56.	Cessna	172, 172A, 172B, 172C, 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S	3A12	FAR 23	"	"	"	"	
57.	Cessna	175, 175B, P172D, R172E (USAF T-41B) (USAF T-41C and D), R172F (USAF T-41D), R172G (USAF T-41C or D), R172H (USAF T-41D), R172J, 172RG, 175A, 175C, R172K	3A17	CAR 3	"	"	"	"	
58.	Cessna	177, 177A, 177B	A13CE	FAR 23	"	"	"	"	
59.	Cessna	177RG	A20CE	FAR 23	"	"	"	"	

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60.	Cessna	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K	5A6	CAR 3	"	"	"	"	
61.	Cessna	182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182S, 182T, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, R182, T182, TR182, T182T	3A13	CAR 3	"	"	"	"	
62.	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F	3A24	CAR 3	"	"	"	"	
63.	Cessna	188, 188A, 188B, A188, A188A, A188B, T188C	A9CE	CAR 3	"	"	"	"	
64.	Cessna	190, (LC-126A,B,C) 195, 195A, 195B	A-790	CAR 3	"	"	"	"	
65.	Cessna	206, P206, P206A, P206B, P206C, P206D, P206E, U206, U206A, 206H, U206B, U206C, U206D, U206E, U206F, U206G, TP206A, TP206B, TP206C, T206H, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G	A4CE	CAR 3	"	"	"	"	
66.	Cessna	207, 207A, T207, T207A	A18CE	FAR 23	"	"	"	"	
67.	Cessna	210, 210A, 210B, 210C, 210D, 210E, 210F, T210F, 210G, T210G, 210H, T210H, 210J, T210J, 210K, T210K, 210L, T210L, 210M, T210M, 210N, P210N, T210N, 210R, P210R, T210R, 210-5 (205), 210-5A (205A)	3A21	CAR 3	"	"	"	"	
68.	Cessna	T303	A34CE	FAR 23	"	"	"	"	
69.	Cessna	(USAF 0-1A) 305A, (USAF 0-1E) 305C, (USAF 0-1G) 305D, 305F	5A5	CAR 3	"	"	"	"	

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70.	Cessna	(Military TO-1D, O-1D, O-1F) 305B, (Military TO-1D, O-1D, O-1F) 305E	3A14	CAR 3	"	"	"	"	
71.	Cessna	310, 310A(USAF U-3A), 310B, 310C, 310D, 310E(USAF U-3B), 310F, 310G, 310H, E310H, 310I, 310J, 310J-1, E310J, 310K, 310L, 310N, 310P, T310P, 310Q, T310Q, 310R, T310R	3A10	CAR 3	"	"	"	"	
72.	Cessna	320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F, 335, 340, 340A	3A25	CAR 3	"	"	"	"	
73.	Cessna	321 (Navy OE-2)	3A11	CAR 3	"	"	"	"	
74.	Cessna	401, 401A, 401B, 402, 402A, 402B, 402C, 411, 411A, 414, 414A, 421, 421A, 421B, 421C	A7CE	CAR 3	"	"	"	"	
75.	Cessna	404	A25CE	FAR 23	"	"	"	"	
76.	Cessna	LC40-550FG, LC41-550FG, LC42-550FG	A00003SE	FAR 23	"	"	"	"	
77.	Cirrus Design Corporation	SR20, SR22, SR22T	A00009CH	FAR 23	"	"	"	"	
78.	Clark	1000	2A6	CAR 8	"	"	"	"	
79.	Clark	12	2A12	CAR 8	"	"	"	"	
80.	CPAC, Inc.	112, 114, 112TC, 112B, 112TCA, 114A, 114B, 114TC	A12SO	FAR 23	"	"	"	"	
81.	Cub Crafters	CC18-180, CC18-180A	A00006SE	FAR 23	"	"	"	"	
82.	Daimlerchrysler Aerospace AG	BO-209-150 FV & RV, BO-209-160 FV & RV, BO-209-150 FF	A27EU	FAR 21	"	"	"	"	
83.	De Havilland	DH 82A	A5PC	FAR 21	"	"	"	"	
84.	De Havilland	DH 82A	A8EU	FAR 21	"	"	"	"	

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85.	De Havilland	DH.C1 Chipmunk 21, DH.C1 Chipmunk 22, DH.C1 Chipmunk 22A	A44EU	FAR 21	"	"	"	"	
86.	De Havilland	L-20A	AR-33	CAR 8	"	"	"	"	
87.	De Havilland	DHC-1B-2-S3, DHC-1B-2-S5	A26NM	FAR 21	"	"	"	"	
88.	De Havilland	D.H. 104 Dove Series 1A, 2A, 5A, 5BA, 6A, 6BA, 7A, 8A, 7AXC, 8AXC	A-807	CAR 10	"	"	"	"	
89.	De Havilland	D.H. 114 Heron Series 2A Series 2DA, Series 2X	A-816	CAR 10	"	"	"	"	
90.	Diamond	DA20-A1, DA20-C1	TA4CH	FAR 21	"	"	"	"	
91.	Diamond	DA 40, DA 40 F	A47CE	FAR 21	"	"	"	"	
92.	Dornier	Do 27 Q-6	A8IN	CAR 10	"	"	"	"	
93.	Dornier	Do 28 A-1, Do 28 B-1	7A13	CAR 10	"	"	"	"	
94.	Dornier Luftfahrt GmbH	Do 28 D, Do 28 D-1,	A16EU	FAR 23	"	"	"	"	
95.	Extra	EA-300, EA-300/S, EA-300/L, EA-300/200	A67EU	FAR 23	"	"	"	"	
96.	Extra	EA 400	A43CE	FAR 21	"	"	"	"	
97.	Fairchild	24R9 (Army UC-61C), 24R9S, 24R40 (Army UC-86), 24R40S, 24R46, 24R46S, 24R46A (Army UC-61K)	A-706	CAR 4a	"	"	"	"	
98.	Fairchild	24W-9 (Army UC-61F), 24W-9S, 24W-40 (Army UC-61G), 24W-40S, 24W-41 (Army UC-61), 24W-41S, 24W-41A (Army UC-61A), 24W-41AS, 24W-46, 24W-46S	A-707	CAR 4a	"	"	"	"	

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99.	Fairchild	M62A (Army PT-19, 19A, -19A-AE, -19A-SL, -19B, -19B-AE), M62A-3 or M62A-4 (Army PT-26, -26A, -26B), M62B, M62C (Army PT-23, -23-AE, -23-HO, -23-SL, -23A, -23A-SL)	A-724	CAR 4a	"	"	"	"	
100.	Fairchild	24 C8C, 24 C8CS	A-535	Aero. Bulletin 7-A	"	"	"	"	
101.	Fairchild	M-84-C	A-2-599	CAR 4a	"	"	"	"	
102.	FS 2001 Corp.	J5A (Army L-4F), J5A-80, J5B (Army L-4G), J5C, AE-1, HE-1	A-725	CAR 4a	"	"	"	"	
103.	FS 2002 Corp.	PA-14	A-797	CAR 3	"	"	"	"	
104.	FS2003 Corp.	PA-12, PA-12S	A-780	CAR 3	"	"	"	"	
105.	Fuji	FA-200-160, FA-200-180, FA-200-180AO	A4PC	CAR 10	"	"	"	"	
106.	Globe	GC-1A, GC-1B	A-766	CAR 4a	"	"	"	"	
107.	Grob	G115, G115A, G115B, G115C, G115C2, G115D, G115D2, G115EG	A57EU	FAR 21	"	"	"	"	
108.	Gulfstream Aerospace	Model 111	A11SO	FAR 23	"	"	"	"	
109.	Hawker Beechcraft	B17L, SB17L, B17B	ATC 560	CAR 4a	"	"	"	"	
110.	Hawker Beechcraft	B17R (Army UC-43H)	ATC 579	CAR 4a	"	"	"	"	
111.	Hawker Beechcraft	C17L, C17B, SC17L, SC17B	ATC 602	CAR 4a	"	"	"	"	
112.	Hawker Beechcraft	C17R (Army UC-43E), SC17R	ATC 604	CAR 4a	"	"	"	"	
113.	GA8 Airvan (Pty) Ltd	GA8, GA8-TC320	A00011LA	FAR 23	"	"	"	"	
114.	Gulfstream American	G-44 (Army OA-14, Navy J4F-2), G-44A, SCAN Type 30	A-734	CAR 4a	"	"	"	"	

FEDERAL AVIATION ADMINISTRATION (FAA) APPROVED MODEL LIST (AML) SA02402SE
FOR
INSTALLATION OF ELECTRONICS INTERNATIONAL INC. GLASS PANEL ENGINE MONITOR (WITH IN-FLIGHT DATA) CGR-30C
ISSUE DATE: June 24, 2014

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TC NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA APPROVED AIRCRAFT FLIGHT MANUAL SUPPLEMENT		FAA APPROVED MASTER DRAWING LIST		AML REV DATE
					Number	Revision*	Drawing	Revision*	
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115.	Helio (Taylorcraft)	15A, 20	3A3	CAR 4a	"	"	"	"	
116.	Helio	H-250, (USAF U-10D) H-295, HT-295, (USAF YL-24) H-391, H-391B, (USAF L-28A or U-10B) H-395, H-395A, H-700, H-800	1A8	CAR 3	"	"	"	"	
117.	Helio	500	A2EA	CAR 3	"	"	"	"	
118.	Howard	DGA-8 (Army UC-70C)	612	Aero. Bulletin 7-A	"	"	"	"	
119.	Howard	DGA-9 (Army UC-70D), DGA-12 (Army UC-70A)	645	Aero. Bulletin 7-A	"	"	"	"	
120.	Howard	DGA-11	672	Aero. Bulletin 7-A	"	"	"	"	
121.	Howard	DGA-15P (Army UC-70; Navy GH-1, GH-2, GH-3, NH-1), DGA-15J (Army UC-70B), DGA-15W	A-717	CAR 4a	"	"	"	"	
122.	Howard	DGA-18, DGA-18K	739	CAR 4a	"	"	"	"	
123.	Interceptor (Aero Commander, Meyers, Interceptor)	200, 200A, 200B, 200C, 200D	3A18	CAR 3	"	"	"	"	
124.	Interstate	S-1A, S-1A-65F, S-1A-85F, S-1A-90F	A-737	CAR 4a	"	"	"	"	
125.	Interstate	S-1B1 (Army L-6, XL-6), S-1B2	A-754	CAR 4a	"	"	"	"	
126.	Jodel	D-140-B	A3IN	CAR 10	"	"	"	"	
127.	Jodel	DR-1050	A4IN	CAR 10	"	"	"	"	
128.	Jodel	D-1190	A10IN	CAR 10	"	"	"	"	
129.	Jodel	150	A14IN	CAR 10	"	"	"	"	
130.	Lavia Argentina S.A.	PA-25, PA-25-235, PA-25-260	2A10	CAR 8.10(b)	"	"	"	"	
131.	Lavia S.A.	PA-25, PA-25-235, PA-25-260	2A8	CAR 3	"	"	"	"	
132.	Luscombe	8, 8A, 8B, 8C, 8D, 8E, 8F, T-8F	A-694	CAR 4a	"	"	"	"	

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FOR
INSTALLATION OF ELECTRONICS INTERNATIONAL INC. GLASS PANEL ENGINE MONITOR (WITH IN-FLIGHT DATA) CGR-30C
ISSUE DATE: June 24, 2014

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TC NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA APPROVED AIRCRAFT FLIGHT MANUAL SUPPLEMENT		FAA APPROVED MASTER DRAWING LIST		AML REV DATE
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133.	Maule	Bee Dee M-4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180S, M-4-180T, M-4-210, M-4-210C, M-4-210S, M-4-210T, M-4-220, M-4-220C, M-4-220S, M-4-220T, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C, M-5-235C, M-6-180, M-6-235, M-7-235, MX-7-235, MX-7-180, MXT-7-180, MT-7-235, M-8-235, MX-7-160, MXT-7-160, MX-7-180A, MXT-7-180A, MX-7-180B, M-7-235B, M-7-235A, M-7-235C, MX-7-180C, M-7-260, MT-7-260, M-7-260C, MX-7-160C, MX-7-180AC, M-4-180V, M-9-235	3A23	CAR 3	"	"	"	"	
134.	Mooney	M-18C, M-18C55, M-18L, M-18LA	A-803	CAR 3	"	"	"	"	
135.	Mooney	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L, M20M, M20R, M20S, M20TN	2A3	CAR 3	"	"	"	"	
136.	Mooney	M22	A6SW	CAR 3	"	"	"	"	
137.	Navion	Navion (L-17A), Navion A (L-17B)(L-17C), Navion B, Navion D, Navion E, Navion F, Navion G, Navion H	A-782	CAR 3	"	"	"	"	
138.	Piaggio	P.136-L, P.136-L1, P.136-L2	A-813	CAR 10	"	"	"	"	
139.	Piaggio	P.166, P.166B, P.166C	7A4	CAR 10	"	"	"	"	
140.	Pilatus	PC-6, PC-6-H1, PC-6-H2, PC-6/350, PC-6/350-H1, PC-6/350-H2	7A15	CAR 10	"	"	"	"	
141.	Piper Aircraft, Inc.	J3F-50, J3F-50S, J3F-60, J3F-60S, (Army L-4D) J3F-65, J3F-65S	A-692	CAR 4a	"	"	"	"	

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FOR
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ISSUE DATE: June 24, 2014

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TC NUMBER	CERTIFICATION BASIS FOR ALTERATION	FAA APPROVED AIRCRAFT FLIGHT MANUAL SUPPLEMENT		FAA APPROVED MASTER DRAWING LIST		AML REV DATE
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142.	Piper Aircraft, Inc.	J3L, J3L-S, J3L-65 (Army L-4C), J3L-65S	A-698	CAR 4a	"	"	"	"	
143.	Piper Aircraft, Inc.	J4, J4A, J4A-S	A-703	CAR 4a	"	"	"	"	
144.	Piper Aircraft, Inc.	J4E (Army L-4E)	A-740	CAR 4a	"	"	"	"	
145.	Piper Aircraft, Inc.	J4F	721	CAR 4a	"	"	"	"	
146.	Piper Aircraft, Inc.	J3C-40, J3C-50, J3C-50S, J3C-65, J3C-65S, PA-11, PA-11S	A-691	CAR 4a	"	"	"	"	
147.	Piper Aircraft, Inc.	PA-15	A-800	CAR 3	"	"	"	"	
148.	Piper Aircraft, Inc.	PA-16, PA-16S	1A1	CAR 3	"	"	"	"	
149.	Piper Aircraft, Inc.	PA-17	A-805	CAR 3	"	"	"	"	
150.	Piper Aircraft, Inc.	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105" (Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S "125," PA-18AS "125," PA-18 "135" (Army L-21B), PA-18A "135," PA-18S "135," PA-18AS "135," PA-18 "150," PA-18A "150," PA-18S "150," PA-18AS "150," PA-19 (Army L-18C), PA-19S	1A2	CAR 3	"	"	"	"	
151.	Piper Aircraft, Inc.	PA-20, PA-20S, PA-20 "115," PA-20S "115," PA-20 "135," PA-20S "135"	1A4	CAR 3	"	"	"	"	

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152.	Piper Aircraft, Inc.	PA-22, PA-22-108, PA-22-135, PA-22S-135, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	1A6	CAR 3	"	"	"	"	
153.	Piper Aircraft, Inc.	PA-23, PA-23-160, PA-23-235, PA-23-250, PA-23-250 (Navy UO-1), PA-E23-250	1A10	CAR 3	"	"	"	"	
154.	Piper Aircraft, Inc.	PA-24, PA-24-250, PA-24-260, PA-24-400	1A15	CAR 3	"	"	"	"	
155.	Piper Aircraft, Inc.	PA-28-140, PA-28-150, PA-28-160, PA-28-180, PA-28-235, PA-28S-160, PA-28S-180, PA-28R-180, PA-28R-200, PA-28-151, PA-28-161, PA-28-181, PA-28R-201, PA-28R-201T, PA-28-236, PA-28RT-201, PA-28RT-201T, PA-28-201T	2A13	CAR 3	"	"	"	"	
156.	Piper Aircraft, Inc.	PA-30, PA-39, PA-40	A1EA	CAR 3	"	"	"	"	
157.	Piper Aircraft, Inc.	PA-31, PA-31-300, PA-31-325, PA-31-350	A20SO	CAR 3	"	"	"	"	
158.	Piper Aircraft, Inc.	PA-31P, PA-31P-350	A8EA	CAR 3	"	"	"	"	
159.	Piper Aircraft, Inc.	PA-32-260, PA-32-300, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA-32-301FT, PA-32-301XTC, PA-32R-301 (SP), PA-32R-301 (HP), PA-32R-301T, PA-32-301, PA-32-301T	A3SO	CAR 3	"	"	"	"	
160.	Piper Aircraft, Inc.	PA-34-200, PA-34-200T, PA-34-220T	A7SO	FAR 23	"	"	"	"	

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161.	Piper Aircraft, Inc.	PA-36-285, PA-36-300, PA-36-375	A9SO	FAR 23	"	"	"	"	
162.	Piper Aircraft, Inc.	PA-36-285, PA-36-300, PA-36-375	A10SO	FAR 23	"	"	"	"	
163.	Piper Aircraft, Inc.	PA-38-112	A18SO	FAR 23	"	"	"	"	
164.	Piper Aircraft, Inc.	PA-44-180, PA-44-180T	A19SO	FAR 23	"	"	"	"	
165.	Piper	PA-46-310P, PA-46-350P, PA-46R-350T	A25SO	FAR 23	"	"	"	"	
166.	Revo, Inc.	Colonial C-1, Colonial C-2, Lake LA-4, Lake LA-4A, Lake LA-4P, Lake LA-4-200, Lake Model 250	1A13	CAR 3	"	"	"	"	
167.	Rogers (Mitchell, Aeronca)	15AC, S15AC	A-802	CAR 3	"	"	"	"	
168.	Ryan Aeronautical Company	SCW-145	658	Aero. Bulletin 7-A	"	"	"	"	
169.	Ryan	ST-3KR (Army PT-22, PT-22A)	A-749	CAR 4a	"	"	"	"	
170.	Sikorsky	S-43, S-43B, S-43W	A-593	Aero. Bulletin 7-A	"	"	"	"	
171.	Socata, S.A. Grumman	GA-7	A17SO	FAR 23	"	"	"	"	
172.	Socata	TB 9, TB 10, TB 20, TB 21, TB 200	A51EU	FAR 21	"	"	"	"	
173.	SOCATA MORANE SAULNIER (Rallye) Series	MS 880B, MS 885, MS 894A, MS 893A, MS 892A-150, MS 892E-150, MS 893E, MS 894E, Rallye 100S, Rallye 150T, Rallye 150ST, Rallye 235E, Rallye 235C	7A14	CAR 3	"	"	"	"	
174.	Stinson	L-5, L-5B, L-5C, L-5D, L-5E, L-5E-1, L-5G	A-764	CAR 4a	"	"	"	"	
175.	Stinson	10A (Army L-9B), 10B	A-738	CAR 4a	"	"	"	"	

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ISSUE DATE: June 24, 2014

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176.	Stinson	HW-75, 10	A-709	CAR 4a	"	"	"	"	
177.	Stinson	V-77 (Army AT-19)	A-774	CAR 4a	"	"	"	"	
178.	STOL (Republic)	RC-3	A-769	CAR 3	"	"	"	"	
179.	STOL (United Consultants)	(Twin-Bee) UC-1	A6EA	CAR 3	"	"	"	"	
180.	Taylorcraft	A	A-643	Aero. Bulletin 7-A	"	"	"	"	
181.	Taylorcraft	(Army L-2G) BF, BFS, BF-60, BFS-60, BF-65, BFS-65, (Army L-2K) BF12-65	A-699	CAR 4a	"	"	"	"	
182.	Taylorcraft	BL, BLS, (Army L-2F) BL-65, BLS-65, (Army L-2J) BL12-65, BLS12-65	A-700	CAR 4a	"	"	"	"	
183.	Taylorcraft 2000, LLC	19, F19, F21, F21A, F21B, F22, F22A, F22B, F22C	1A9	CAR 3	"	"	"	"	
184.	Taylorcraft 2000, LLC	BC, BCS, BC-65, BCS-65, BC12-65 (Army L-2H), BCS12-65, BC12-D, BCS12-D, BC12-D1, BCS12-D1, BC12D-85, BCS12D-85, BC12D-4-85, BCS12D-4-85	A-696	CAR 4	"	"	"	"	
185.	Thrush Aircraft, Inc. (Snow, Rockwell, Ayres)	600 S-2D, S2-R, S2R-R3S, S2R-R1340	A3SW	CAR 3	"	"	"	"	
186.	Thrush Aircraft, Inc. (Snow, Rockwell, Ayres)	600 S2D, S2R, S2R-R3S, S2R-R1340, S2R-R1820	A4SW	CAR 8.10(a)(1)	"	"	"	"	
187.	Thrush Aircraft, Inc. (Snow, Rockwell, Ayres)	S2A	2A9	CAR 8.10(a)(1)	"	"	"	"	
188.	Thrush Aircraft, Inc. (Snow, Rockwell, Ayres)	S-2B, S-2C, 600-S2C	2A7	CAR 8.10(a)(1)	"	"	"	"	
189.	TKEF	Model 44	A2WI	FAR 23	"	"	"	"	

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190.	True Flight Holdings LLC (American General)	AA-1, AA-1A, AA-1B, AA-1C	A11EA	FAR 23	"	"	"	"	
191.	True Flight Holdings LLC (American General)	AA-5, AA-5A, AA-5B, AG-5B	A16EA	FAR 23	"	"	"	"	
192.	Twin Commander	500, 500-A, 500-B, 500-U, 520, 560, 560-A, 560-E, 500-S	6A1	CAR 3	"	"	"	"	
193.	Twin Commander	560-F, 680, 680E, 720, 680FL, 680FL(P), 685	2A4	CAR 3	"	"	"	"	
194.	Twin Commander	700	A12SW	FAR 23	"	"	"	"	
195.	Univair (Stinson)	108, 108-1, 108-2, 108-3, 108-5	A-767	CAR 3	"	"	"	"	
196.	Univair (Mooney)	(ERCO) 415-C, (ERCO) 415-CD	A-718	CAR 4a	"	"	"	"	
197.	Univair	(ERCO) 415-D, (ERCO) E, (ERCO) G, (Forney) F-1, (Forney) F-1A, (Alon) A-2, (Alon) A2-A, (Mooney) M-10	A-787	CAR 3	"	"	"	"	
198.	Varga (Morrissey)	2150, 2150A, 2180	4A19	CAR 3	"	"	"	"	
199.	Viking Air Limited	DHC-2 Mk. I, DHC-2 Mk. II	A-806	FAR 21	"	"	"	"	
200.	Viking Air Limited (Otter)	DHC-3	A-815	CAR 10	"	"	"	"	
201.	Vulcanair S.p.A.	P.68, P.68B, P.68C, P.68C-TC, P.68 "Observer," P.68TC "Observer," P.68 "Observer 2," P.68R	A31EU	FAR 23	"	"	"	"	
202.	WACO	2T-1A, 2T-1A-1, 2T-1A-2	A18EA	Aero. Bulletin 7-A	"	"	"	"	

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203.	Weatherley	201, 201A, 201B, 201C	A10WE	FAR 21.25	"	"	"	"	
204.	Weatherley	620, 620A, 620B	A26WE	FAR 21.25	"	"	"	"	
205.	Zenair	CH2000	TA5CH	FAR 21	"	"	"	"	
206.	Zlin Aircraft a.s.	ZLIN 526L	A30EU	FAR 21	"	"	"	"	
207.	Zlin Aircraft a.s.	Z-242L, Z-143L	A76EU	FAR 23	"	"	"	"	

* Or later FAA Approved Revision

FAA Approved:

AMENDED:
REISSUED:


 Manager, Seattle Aircraft
 Certification Office