

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA01435SE*This certificate, issued to*

J. P. Instruments
3185 Airway Ave, Suite B
Costa Mesa, CA 92626-4601

*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:**Make:**Model:*

*See attached FAA Approved Model List (AML)
No. SA01435SE for a list of approved airplane
models and applicable airworthiness regulations.

Description of the Type Design Change: Installation of J.P. Instruments (JPI) Primary Engine Data Management System in accordance with JPI Installation Manual for the EDM 900/930, Report 908, dated September 9, 2004, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the aircraft models listed on the AML only. This approval should not be extended to other aircraft of these models 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, FAA AML No. SA01435SE, and Airplane Flight Manual Supplement EDM-900 and EDM-930, Primary Engine Data Management System, dated December 10, 2004, Document Numbers 900-0001 and 930-0001 Revision C respectively, or later FAA approved revisions, 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: November 4, 2002*Date reissued:**Date of issuance:* December 13, 2004*Date amended:**By direction of the Administrator*

(Signature)

Acting 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.

INSTALLATION OF THE EDM-900/930 PRIMARY ENGINE DATA MANAGEMENT SYSTEM

I T E M	AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	AML REVISION DATE
1.	Aeronca (Rogers)	15AC	A-802	CAR 3	03-18-2008
2.	American Champion	8GCBC Scout	A21CE	FAR 23	
3.	American Champion	8KCAB	A21CE	FAR 23	04-03-2006
4.	American Champion	7ECA , 7GCBC, 7GCAA	A-759	CAR 4a	04-03-2006
5.	American General Aircraft Holdings, Grumman	AA-1, AA-1A, AA-1B, AA-1C	A11EA	FAR 23	04-03-2006
6.	American General Aircraft Holdings, Grumman	AA-5A	A16EA	FAR 23	03-18-2008
7.	Aviat Aircraft (Sky Intl)	A-1B	A22NM	FAR 23	
8.	Aviat Aircraft (Sky Intl)	A-1C-180, A-1C-200	A22NM	FAR23	03-18-2008
9.	Beech	A24R	A1CE	CAR 3	03-18-2008
10.	Beech	C24R, B24R	A1CE	CAR 3	
11.	Beech	19A, B19, A23-19, M19A	A1CE	CAR 3	7-25-2005
12.	Beech	A35, B35, C35, D35, E35, F35, G35 with IO-550-B engine per STC SA2200SW	A-777	CAR 3	7-24-2006
13.	Beech	35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36 with IO-550-B per STC SA2200SW	3A15	CAR 3	7-24-2006
14.	Beech	A36 with Colemill STC SA1835SO	3A15	CAR 3	7-24-2006
15.	Beech	E33A, E33C, 35-C33A, F33A, F33C. S35, V35, V35A, V35B, 36, A36 with Atlantic Aero STC SA10145SC	3A15	CAR 3	03-18-2008
16.	Beech	36, A36, A36TC, B36TC	3A15	CAR 3	7-25-2005
17.	Beech	N35, P35, G33	3A15	CAR 3	7-24-2006
18.	Beech	35-C33A, 36, A36, E33A, F33A, G33, S35, V35, V35A, V35B, A36TC, B36TC, with STC SA5223NM	3A15	CAR 3	04-03-2006
19.	Beech	G33 with STC SA686CE	3A15	CAR 3	7-24-2006
20.	Bellanca (Alexandria Aircraft)	14-19-2, 17-31ATC with STC SE6WE	1A3 A18CE	CAR 03 FAR 23	
21.	Bellanca (Alexandria Aircraft)	17-30A, 17-31A , 17-31ATC	A18CE	FAR 23	7-25-2005
22.	Cessna	170, 170A, B	A-799	CAR 3	
23.	Cessna	172, 172A, B, C, D, E, F, G, H,	3A12	CAR 3	
24.	Cessna	172I, K, L, M, N, Q, R, S	3A12	CAR 3	7-25-2005

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I T E M	AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	AML REVISION DATE
25.	Cessna	172RG	3A17	CAR 3	
26.	Cessna	R172K	3A17	CAR 3	02-07-2007
27.	Cessna	177, 177A, B	A13CE	FAR 23	7-25-2005
28.	Cessna	177RG	A20CE	FAR 23	
29.	Cessna	180A, B, C, D	5A6	FAR 23	7-24-2006
30.	Cessna	180, 180E, F, G, H, 180J, K	5A6	CAR 3	7-25-2005
31.	Cessna	180,180A, B, C, D,E,F,G,H,J,K With Texas Skyways STCs SA09132SC, SA9055SC, SA09018SC, SA8950SW, or SA8842SW,	5A6	CAR 3	7-24-2006
32.	Cessna	182,182A, B, C, D,E,F,G,H,J,K, L, M, N, P, Q, R With Texas Skyways STCs SA09133SC, SA9056SC, SA09026SC, SA8951SW, or SA8842SW	3A13	CAR 3	04-03-2006
33.	Cessna	182 Series, 182P WITH STC SA00152WI (Air Plains IO-550)	3A13	CAR 3	
34.	Cessna	182Q WITH STC SA00152WI (Air Plains IO-550)	3A13	CAR 3	02-07-2007
35.	Cessna	182N, P with STC SA3825SW (Peterson IO-470),	3A13	CAR 3	03-18-2008
36.	Cessna	182E,F,G,H, J,K, L,M,R,Q with Peterson STC SA3825SW	3A13	CAR 3	03-18-2008
37.	Cessna	182R,Q with STC SA03302AT	3A13	CAR 3	03-18-2008
38.	Cessna	182,182A, B, C, D, E, F, G, H, J, K, L, M, N, P, R 182S, T ,T182T, TR182	3A13 3A13	CAR 3 FAR 23	
39.	Cessna	R182	3A13	CAR 3	02-07-2007
40.	Cessna	185E, A185E, A185F	3A24	CAR 3	7-25-2005
41.	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F with STC SA2118SW	3A24	CAR 3	03-18-2008
42.	Cessna	A185E, A185F with STC SA00344WI or SA2933SO	3A24	CAR 3	03-18-2008
43.	Cessna	185, 185A, B, C, D, E, A185E, A185F with Texas Skyways STC SA09960SC	3A24	CAR 3	04-03-2006
44.	Cessna	195	A-790	CAR 3	7-25-2005
45.	Cessna	205 and 205A with Texas Skyways STC SA09467SC	3A21	CAR3	04-03-2006
46.	Cessna	U206A, B, C, D, E ,F, G WITH STC 2123NM	A4CE	CAR 3	
47.	Cessna	206, U206, U206A, B, C, D, E, F,G and P206, P206A, B, C, D, E with Texas Skyways STC SA10010SC	A4CE	CAR 3	04-03-2006
48.	Cessna	U206C, D, E, F, G, 206H, T206H	A4CE	CAR 3	
49.	Cessna	U206B, TU206G	A4CE	CAR 3	04-03-2006
50.	Cessna	206, U206, U206A, P206, P206A, B, C, D, E	A4CE	CAR 3	02-07-2007
51.	Cessna	207, 207A	A16CE	FAR 23	02-07-2007
52.	Cessna	207, 207A with Texas Skyways STC SA10011SC	A16CE	FAR23	04-03-2006
53.	Cessna	210K, 210L, 210M, 210N and 210K, 210L, 210M, 210N with STC SA02029AT-D	3A21	CAR 3	7-24-2006
54.	Cessna	T210M	3A21	CAR 3	04-03-2006
55.	Cessna	T210L, T210N	3A21	CAR 3	
56.	Cessna	P210N, T210K	3A21	CAR 3	7-25-2005

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I T E M	AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	AML REVISION DATE
57.	Cessna	P210R	3A21	CAR 3	02-07-2007
58.	Cirrus Design	SR20, SR22	A00009CH	FAR 23	
59.	Commander (Rockwell)	112, 112B, TC, TCA; 114, 114A, B, TC	A12S)	FAR 23	7-25-2005
60.	De Havilland (Viking Air Ltd.)	DHC-2 MK I	A-806	CAR 10	03-18-2008
61.	EXTRA	EA-300, S, L, EA-300/200	A67EU	FAR 21.29 FAR 23	
62.	EXTRA	EA-400	A43CE	FAR 23	
63.	Great Lakes	2T-1A-1, 2T-1A-2	A18EA	Aero Bul. 7-A + FAR 23	03-18-2008
64.	Gulfstream American (Tiger Aircraft, LLC)	AA-5A with STC SA1186NW	A16EA	FAR 23	02-07-2007
65.	Gulfstream American (Tiger Aircraft LLC)	AA-5B	A16EA	FAR 23	02-07-2007
66.	Helio	H-391, -391B; H-295, HT-295	1A8	CAR 3	7-25-2005
67.	Helio	H-800	1A8	CAR 3	04-03-2006
68.	Lancair	LC40-550FG	A00003SE	FAR 23	
69.	LanShe	Lake Model 250	1A13	FAR23, CAR 03	7-25-2005
70.	Maule	M-4-220C, M-5-180C, M-7-235C, M-7-260,	3A23	CAR 3	
71.	Maule	MX-7-180C, MT-7-235, M-7-235B, M-7-260C	3A23	CAR 3	
72.	Maule	M-4-220-S, -T; M-5-180B, -C, -200, -235 -235C; M-6-235, MX-7-180AC, MXT-7-180A	3A23	CAR 3	7-25-2005
73.	Meyers (Micco)	MAC-145A, B	3A1	CAR 4a	7-25-2005
74.	Meyers(Prop-Jets)	200B	3A18	CAR 3	04-03-2006
75.	Mooney	M20B, C, D, L	2A3	CAR 3	7-25-2005
76.	Mooney	M20E,F,K, M, R, S, M20K (STC SA5631NM), M20J (STC SA00472SE)	2A3	CAR 3	
77.	Mooney	M20G, J	2A3	CAR 3	04-03-2006
78.	Mooney	M22	A6SW	CAR 3	
79.	Morovan (Zlin)	Z-143L	A76EU	FAR 23	7-25-2005
80.	Morovan (Zlin)	Z-242L	A76EU	FAR 23 FAR 21.29	04-03-2006
81.	Piper	PA-12, PA12S	A-780	CAR 3	03-18-2008
82.	Piper	PA-12, PA12S WITH STC SA4-456	A-780	CAR 3	02-07-2007
83.	Piper	PA-18 "150", PA-18A "150"	1A2	CAR 3	7-25-2005
84.	Piper	PA-22 "150"	1A6	CAR 3	7-25-2005
85.	Piper	PA-24, PA24- 250, -400	1A15	CAR 3	
86.	Piper	PA-24-260	1A15	CAR 3	7-25-2005
87.	Piper	PA-25-235	2A8	CAR 3	7-25-2005

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I T E M	AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	AML REVISION DATE
88.	Piper	PA-28-140, -150, -151, -160, -180, -181	2A13	CAR 3	7-25-2005
89.	Piper	PA-28R-180	2A13	CAR 3	04-03-2006
90.	Piper	PA-28R-200, -201, PA-28-RT-201, PA-28 -201T, PA-28R-201T, PA-28-RT-201T	2A13	CAR 3	
91.	Piper	PA-28-235	2A13	CAR 3	02-07-2007
92.	Piper	PA-28-236	2A13	CAR 3	03-18-2008
93.	Piper	PA-32-260	A3SO	CAR 3	7-25-2005
94.	Piper	PA-36-375	A9SO	FAR 23	03-18-2008
95.	Piper	PA-38-112, PA-38-112 With STCSE792NW	A18SO	FAR 23	7-24-2006
96.	Piper	PA-32-300, PA-32S-300, PA-32R-301(HP), PA-32-301T, PA-32RT-300T, PA32R-301T	A3SO	CAR 3	04-03-2006
97.	Piper	PA-32R-300	A3SO	CAR 3	02-07-2007
98.	Pitts	S-2B	A8SO	FAR 23	04-03-2006
99.	Piper	PA-46-310P, -350P	A25SO	FAR 23	
100.	Sky Enterprises (Republic)	RC-3, RC-3 with STC SA282NW	A-769	CAR 03	7-25-2005
101.	S.O.C.A.T.A.	TB-9, TB-200	A51EU	FAR 21.29	7-25-2005
102.	S.O.C.A.T.A.	TB-10, TB-21	A51EU	FAR 21.29	03-18-2008
103.	S.O.C.A.T.A.	TB-20	A51EU	FAR 21.29	04-03-2006
104.	S.O.C.A.T.A.	235E (Rallye)	7A14	CAR 10 CAR 3	7-24-2006
105.	Swift Museum Found- ation (Globe)	GC-1B with MACHen STC SA53NW or SA203NW	A-766	CAR 3	04-03-2006
106.	Thompson (Navion)	Navion B S/N 4-2350-B with IO-520A(5)ACF engine	A-782	CAR 3	02-07-2007
107.	Thompson (Navion)	Navion A, H	A-782	CAR 3	04-03-2006
108.	Univair Stinson	108-3	A-767	CAR 3	7-25-2005
109.	Varga	2150A	4A19	CAR 3	02-07-2007
110.	WACO	F-5, F5C with STC SA1000GL	ATC 542	Aero Bulletin 7A	7-25-2005

Revision A Date: 7-25-05; Revision B date 04-03-06; Revision C Date 7-24-2006; Revision D 02-07-07; Revision F **Date 03-18-2008**

FAA Approved 
Acting Manager, Seattle Aircraft Certification Office

Approval Date 03/21/2008