

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

Number SA01944CH

This certificate issued to Experimental Aircraft Association, Inc.
3000 Poberezny Road
Oshkosh, WI 54901

*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. SA01944CH for list of approved airplanes and

*Model.** applicable airworthiness regulations.

Description of Type Design Change:

Modify airplane to fly on unleaded automotive gasoline, 87 minimum antiknock index, per ASTM Specification D-439 or D-4818 of any volatility class, A through E, or 82UL AVGAS per ASTM D-6227.

Limitations and Conditions:

1. The engine installed in the airplane must be approved for the use of the fuels specified above, either by Supplemental Type Certificate Number SE01943CH dated March 5, 2004, or later FAA approved revision or by another equivalent FAA approval.
2. FAA approved Airplane Flight Manual (AFM) Supplement EAASTCAFM, dated March 2, 2004, or later FAA approved revision is required.

(See Continuation Sheet page 3 of 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: February 25, 2004

Date of issuance: March 5, 2004

Date reissued:

Date amended:

By direction of the Administrator



(Signature)
Thaddeus D. Krolicki Jr.
Manager, Propulsion Branch
Chicago Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 1 year, or both.

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Supplemental Type Certificate
(Continuation Sheet)

Number SA01944CH

LIMITATIONS AND CONDITIONS: (Continued)

3. Compatibility of this design change with previously approved modifications must be determined by the installer.
4. A copy of this certificate and FAA Approved Model List (AML) No. SA01944CH dated March 5, 2004 or later FAA approved revision must be maintained as part of the permanent records for the modified aircraft.
5. 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.

...End...

FAA Approved Model List (AML) No. SA01944CH
Experimental Aircraft Association

For
Use of Auto Fuel or 82UL Avgas

Revised April 12, 2004
Issue Date: March 5, 2004

Item	Aircraft Make	Aircraft Model(s)	Original Type Certificate Number	Certification Basis For Alteration	Installation Instructions		AFM Supplement Number/Date	AML Amendment Date	Superseded STC No. *
					Number	Revision No. & Date			
1	Aeronca Aircraft Corp.	50-TC, 65-TC (Army L-3J), YO-58 (Army L-3) 65-TAC (Army L-3E)	A-728	CAR 4a (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA740GL
2	Aeronca Aircraft Corp.	O-58A (Army L-3A), O-58B (Army L-3B, L-3C), SO-58B	A-751	CAR 4a (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA741GL
3	Burl A. Rogers (Mitchell) (Aeronca)	15AC	A-802	CAR 4a (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA850GL
4	Interstate Engineering & Type Design Co. (Arctic)	S-1A	A-737	CAR 4a (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA743GL

*The aircraft listed on this AML were previously covered by separate STCs which are listed in this column for reference.

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5	Interstate Engineering & Type Design Co. (Aretic)	S-1B1 (Army L-6, XL-6) S-1B2	A-754	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA946GL
6	American Champion Aircraft Co.	7AC, 7ACA, S7AC, (L- 16A) 7BCM, L- 16B, 7CCM, S7CCM, 7DC, S7DC, 7EC, S7EC, 7EC A, 7FC, 7GC, 7GCA, 7GCCA, 7GCB, 7GCBA, 7GCBC, 7HC, 7KC, 7KCA, B,	A-759	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA942GL
7	American Champion Aircraft Co.	11AC, S11AC, 11BC, S11BC	A-761	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02/2004	EAASTCAFM Rev. 1 02-2004		SA733GL

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8	American Champion Aircraft Co.	11CC, S11CC	A-796	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA734GL
9	Raytheon Aircraft Co.	35, A35, B35, C35, D35, E35, F35, G35, 35R	A-777	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA799GL
10	Cessna Aircraft Co.	120, 140	A-768	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA691GL
11	Cessna Aircraft Co.	140A	5A2	CAR 3 CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA692GL
12	Cessna Aircraft Co.	150, 150A thru 150H, 150J thru 150M, A150K, L, M	3A19	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA633GL
13	Cessna Aircraft Co.	152, A152	3A19	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA865GL
14	Cessna Aircraft Co.	170, 170A, 170B	A-799	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA762GL
15	Cessna Aircraft Co.	172, 172A, B, C, D, E, F (USAF T-41A), G, H (USAF T-41A)	3A12	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA761GL

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16	Cessna Aircraft Co.	172I, K, L, M	3A12	CAR 3 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA801GL
17	Cessna Aircraft Co.	175, 175A, B, C, P172D	3A17	CAR 3 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA763GL
18	Cessna Aircraft Co.	177	A13CE	FAR 23 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA803GL
19	Cessna Aircraft Co.	180, 180A thru 180H, 180J, 180K	5A6	CAR 3 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA695GL
20	Cessna Aircraft Co.	182, 182A thru H, 182J thru N, 182P	3A13	CAR 3 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA694GL
21	Cessna Aircraft Co.	305A (USAF O- 1A), 305C (USAF O- 1E), 305D (USAF O- 1G), 305F	5A5	CAR 3 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA759GL
22	Cessna Aircraft Co.	305B, 305E (TO- ID, O-ID, O-IF)	3A14	CAR 3 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA760GL
23	Commonwealth	175, 180, 185	A-729	CAR 4a (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA905GL

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24	Tiger Aircraft LLC	AA-1, AA-1A, AA-1B, AA-1C	A11EA	FAR 23 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA868GL
25	Tiger Aircraft LLC	AA-5, AA-5A, AG-5B	A16EA	FAR 23 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA867GL
26	Don Luscombe Aviation History Foundation	8, 8A, 8B, 8C, 8D, 8E, 8F, T, 8F	A-694	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA730GL
27	Luscombe Aircraft Corp.	11A	A-804	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA947GL
28	Thomas H. McClish (Funk)	B85C	A-715	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA834GL
29	Maule Aerospace Technology	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,	3A23	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA945GL

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29	Maule Aerospace Technology	M-4-220T	3A23	CAR 3 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA945GL
30	Mooney	M-18C, M-18C55, M-18L, M-18LA	A-803	CAR 3 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA866GL
31	Morrissey Aviation	2000C	4A14	CAR 3 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA869GL
32	Joe Rankin (Porterfield)	CP-55, CP-65, CS-65	A-720	CAR 4a (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA848GL
33	The New Piper Aircraft Corp.	E-2	ATC 455	ATC 455 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA773GL
34	The New Piper Aircraft Corp.	J-2	ATC 595	ATC 595 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA774GL
35	The New Piper Aircraft Corp.	J-3	ATC 660	ATC 660 (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA775GL
36	The New Piper Aircraft Corp.	J3C-40, J3C-50, J3C-50S, J3C-65 (L-4), L-4A, L-4B (NE-2), J3C-65S, PA-11, PA-11S	A -691	CAR 4a (See TCDS)	EAASSTCINST	Rev. 1 02-2004	EAASSTCAFM 3/2/04		SA736GL

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37	The New Piper Aircraft Corp.	J3L, J3L-S, J3L-65 (Army L-4C), J3L-65S	A-698	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA833GL
38	The New Piper Aircraft Corp.	J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65 (Army L-4D), J3F-65S	A-692	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA832GL
39	The New Piper Aircraft Corp.	J4, J-4A, J4A-S	A-703	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA737GL
40	The New Piper Aircraft Corp.	J4E (Army L-4E)	A-740	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA738GL
41	The New Piper Aircraft Corp.	J5A (Army L-4F), J5A-80, J5B (Army L-4G), J5C, AE-1, HE-1	A-725	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA739GL
42	FS 2003 Corporation & The New Piper Aircraft Corp.	PA-12, PA-12S	A-780	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA900GL

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43	FS 2003 Corporation & The New Piper Aircraft Corp.	PA-14	A-797	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA950GL
44	The New Piper Aircraft Corp.	PA-15	A-800	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA949GL
45	The New Piper Aircraft Corp.	PA-16	1A1	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA904GL
46	The New Piper Aircraft Corp.	PA-17	A-805	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA766GL
47	The New Piper Aircraft Corp.	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",	1A2	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA767GL

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47	The New Piper Aircraft Corp.	PA-18 "135" (Army L-21B), PA-18A "135", PA18 "S135", 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 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA767GL
48	The New Piper Aircraft Corp.	PA-20, PA-20S, PA-20 "115", PA-20S "115", PA-20 "115", PA-20S "115"	1A4	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 03/2/04		SA948GL

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49	The New Piper Aircraft Corp.	PA-22, PA-22-108, PA-22-135, PA-22-150, PA-22-160, PA-22S- 135, PA-22S- 150, PA-22S- 160	1A6	CAR 3 (See TCDS)	EEASTCINST	Rev. 1 02-2004	EEASTCAPHM 03/2/04		SA849GL
50	The New Piper Aircraft Corp.	PA-28-140, -150, -151	2A13	CAR 3 (See TCDS)	EEASTCINST	Rev. 1 02-2004	EEASTCAPHM 3/2/04		SA802GL
51	Dynac Aerospace Corp(Aero Cmdr)	100	1A21	CAR 3 (See TCDS)	EEASTCINST	Rev. 1 02-2004	EEASTCAPHM 3/2/04		SA851GL
52	Superior Aircraft Co. (Culver)	LCA, LFA	A-730	CAR 4a (see TCDS)	EEASTCINST	Rev. 1 02-2004	EEASTCAPHM 3/2/04		SA913GL
53	Stinson	10, HW-75	A-709	CAR 4a (see TCDS)	EEASTCINST	Rev. 1 02-2004	EEASTCAPHM 3/2/04		SA944GL
54	Taylorcraft Inc	A	A-643	Aero Bulletin 7-A (see TCDS)	EEASTCINST	Rev. 1 02-2004	EEASTCAPHM 3/2/04		SA943GL

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55	Taylorcraft	19, F19	1A9	CAR 3 (see TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA769GL
56	Taylorcraft	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 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA768GL

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57	Taylorcraft	DC-65 (Army L-2, L-2C), DCO-65 (Army L- 2A, L-2B, L-2M) DCO-65	A-746	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA770GL
58	Univair Aircraft Corp.	415-D, -E, -G, F-1, F-1A, A-2, A2-A, M10	A-787	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA798GL
59	Univair Aircraft Corp. (Stinson)	108, 108-1, 108-2, 108-3, 108-5	A-767	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA899GL
60	Univair Aircraft Corp.	415-C, 415-CD	A-718	CAR 4a (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA821GL
61	Augustair Inc (Varga)	2150, 2150A, 2180	4A19	CAR 3 (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA870GL
62	William J. Gores (Aeronca)	KCA, 50-C, S-50- C, 65-C, S-65-C, 65-CA (L- 3F), S-65-CA	A-675	Acro Bulletin 7-A (See TCDS)	EAASTCINST	Rev. 1 02-2004	EAASTCAFM 3/2/04		SA742GL

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Thaddeus D. Krolicki, Jr.
Manager, Propulsion Branch
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