

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

Supplemental Type Certificate

Number SE01943CH

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) No.
*Make.** SE01943CH for list of approved engines models and
*Model.** applicable airworthiness regulations.

Description of Type Design Change:

Add the following approved fuels: unleaded automotive gasoline 87 minimum antiknock index, per ASTM Specification D-439 or D-4814 of any volatility class, A through E, or 82UL AVGAS per ASTM D-6227.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. A copy of this certificate and FAA Approved Model List (AML) No. SE01943CH, dated March 5, 2004 or later FAA approved revision, must be maintained as part of the permanent records for the modified engines.
3. 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: February 25, 2004

Date reissued:

Date of issuance: March 5, 2004

Date amended:



By direction of the Administrator

(Signature)

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

(Title)

FAA Approved Model List (AML) No. SE01943CH
Experimental Aircraft Association
For
Use of Auto Fuel or 82UL Avgas

Issue Date: March 5, 2004

Item	Engine Make	Engine Model(s)	Original Type Certificate Number	Certification Basis For Alteration	Installation Instructions		AFM Supplement Number/Date	AML Amendment Date	Superseded STC No. *
					Number	Rev. No. & Date			
1	Teledyne Continental Motors	A-50, A-50-2, A-50-3, A-50-4, A-50-4J, A-50-5, A-50-5J, A-50-6, A-50-6J, A-50-7, A-50-7J, A-50-8, A-50-8J, A-50-9, A-50-9J	E-190	CAR 13 (See TCDS)	EAASCTCNST	Rev. 1 02-2004			SE634GL
2	Teledyne Continental Motors	A-65-1, -3, -6, 6J, -7, A-65-8 (O-170-3, O170-7), -8F, -8FJ, -8J, A-65-9 (O-170-5) -9F, -9FJ, A-65-12, -12F, -12FJ, -12J, A-65-15, -14F, -14FJ, -14J	E-205	CAR 13 (See TCDS)	EAASCTCNST	Rev. 1 02-2004			SE634GL
3	Teledyne Continental Motors	A-75-3, A75-6, -6J, A75-8, -8F, A75-8J, -8FJ, -8FJ, A75-9, 9J	E-213	(See TCDS 213)	EAASCTCNST	Rev. 1 02-2004			SE634GL

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

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4	Teledyne Continental Motors	C75-8, -8F, -8FH, -8FJ, -8J, C75-12, -12F, -12FH, -12FHJ, -12FJ, -12J, C75-12B, -12BF, -12BFH, C75-15, -15F, C85-8, -8F, -8FHJ, -8FJ, -8J, C85-12, -12F, -12FH, -12FHJ, -12FJ, -12J, C85-14F, C85-15, -15F	E-233	CAR 13 (See TCDS)	EAASTCINST	Rev. 1 02-2004			SE634GL
5	Teledyne Continental Motors	C90-8F, -8FJ, C90-12F, -12FH, -12FJ, -12FP, C90-14F, -14FH, -14FJ, -16F, O-200-A, O-200-B, O-200-C	E-252	CAR 13 (See TCDS)	EAASTCINST	Rev. 1 02-2004			SE634GL

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6	Teledyne Continental Motors	A-40, A-40-2, A-40-3, A-40-4	ATC 72	ATC 72 (See TCDS)	EAASSTCINST	Rev. 1 02-2004			SE634GL
7	Teledyne Continental Motors	A-40-5	ATC 174	ATC 174 (See TCDS)	EAASSTCINST	Rev. 1 02-2004			SE634GL
8	Teledyne Continental Motors	O-470-A, -E, -J, -K, -L, -R, -S	E-273	CAR 13 (See TCDS)	EAASSTCINST	Rev. 1 02-2004			SE693GL
9	Teledyne Continental Motors	O-470-4, -11, -11B, -13, -13A, -15	E-269	CAR 13 (See TCDS)	EAASSTCINST	Rev. 1 02-2004			SE693GL
10	Teledyne Continental Motors	C145-2, -2H, -2HP, O-300-A, -B, -C, -D, -E	E-253	CAR 13 (See TCDS)	EAASSTCINST	Rev. 1 02-2004			SE693GL
11	Teledyne Continental Motors	GO-300-A, -B, -C, -D, -E, -F	E-298	CAR 13 (See TCDS)	EAASSTCINST	Rev. 1 02-2004			SE693GL
12	Teledyne Continental Motors	C-125-1, -2	E-236	CAR 13 (See TCDS)	EAASSTCINST	Rev. 1 02-2004			SE693GL
13	Teledyne Continental Motors	E225-2, -4, -8, -9	E-267	CAR 13 (See TCDS)	EAASSTCINST	Rev. 1 02-2004			SE693GL

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14		Teledyne Continental Motors	E165-2, -3, -4, E185-1, -2, -3, (O-470-7, -7A), E185-5, -8, -9, (O-470-7B), -10, -11	E-246	CAR 13 (See TCDS)	EAASCTCINST	Rev. 1 02-2004			SE693GL
15		Textron Lycoming	O-320-A, -C, -E Series	E-274	CAR 13 (See TCDS)	EAASCTCINST	Rev. 1 02-2004			SE800GL
16		Textron Lycoming	O-235-C, -E, -H	E-223	CAR 13 (See TCDS)	EAASCTCINST	Rev. 1 02-2004			SE800GL
17		Textron Lycoming	O-290, O-290-A, -AP, -B, -C, -CP, -D, -D2, -D2A, -D2B, -D2C	E-229	CAR 13 (See TCDS)	EAASCTCINST	Rev. 1 02-2004			SE800GL
18		Textron Lycoming	O-540-B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5	E-295	CAR 13 (See TCDS)	EAASCTCINST	Rev. 1 02-2004			SE956GL

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19	Rolls-Royce Limited	RR C90-8F, -12F, -14F, -14FH, -16F, O-200-A, -B, -C,	E3IN	CAR 10 and BCAR Sec C	EEASTCINST	Rev. 1 02-2004			SE898GL
20	Rolls-Royce Limited	RR O-300-A, -B, -C, -D	E4IN	CAR 10 and BCAR Sec C	EEASTCINST	Rev. 1 02-2004			SE898GL


 FAA Approved.

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 Chicago Aircraft Certification Office