

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A-694
Revision 25
LUSCOMBE
8 8D
8A 8E
8B 8F
8C T-8F

February 12, 2014

AIRCRAFT SPECIFICATION NO. A-694

Type Certificate Holder Good Earthkeeping Organization, Inc.
1612 Jenks Drive
Corona, California 92880

Type Certificate Record Holder Team Luscombe, LLC
241 South Washington Street
Chandler, Arizona 85225
(Transferred ownership of A-694 to Good Earthkeeping Organization, Inc. on October 21, 2011)

The Don Luscombe Aviation History Foundation, Inc.
P.O. Box 63581
Phoenix, Arizona 85082

Larsen Luscombe Corporation
Alaska International Corporation
Surety Credit Corporation
Silvaire Aircraft Company
Temco Aircraft Corporation

I - Model 8, 2 PCLM (Normal Category), Approved August 11, 1938

Engine	Continental A-50-1 (see item 126A for optional engines). Not eligible for original certification with single ignition engine
Fuel	73 minimum octane aviation gasoline
Engine limits	For all operations, 1900 r.p.m. (50 hp.)
Propeller limits	Maximum permissible diameter, 79in.
Airspeed limits	Level flight or climb 115 m.p.h. (100 knots) True Ind. Glide or dive 145 m.p.h. (126 knots) True Ind.
C.G. range	(+13.6) to (+18.4)
Empty weight C.G. range	<u>Forward limits</u> (+13.8) with item 105. (+13.4) with items 105 and 106. (+12.3) with items 101 and 105. (+15.9) with items 102. (+14.8) with items 101 and 102. When empty weight C.G. falls within pertinent range, computation of critical fore and aft C.G. positions in unnecessary. Ranges are not valid for non-standard arrangements except as noted.
Maximum weight	1200 lb.
No. of seats	2 (+20)
Maximum baggage	55 lb. (+40)
Fuel capacity	14 gal. (+40). See items 101, 102 and 106 for optional tanks.
Oil capacity	4 qt. (-24)
Control surface movements	Elevators Up 29° Down 27° Rudder Right 32° Left 32° Ailerons (not available)
Serial Nos. eligible	833 and up (see NOTE 3 for S/N 801 thru 833)
Required equipment	Items 6, 104, 201 and 203.

Page No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Rev No.	25	25	-	-	-	-	-	-	-	22	-	-	25	-		-

II – Model 8A, 2 OCL-SM (Normal Category), Approved March 27, 1939

Same as model 8 except engine installation. Also eligible with all metal wings, with either .016 or .020 aluminum alloy skin covering and .016 skin covering for ailerons per Luscombe dwg. 082201. For .016 skin, no weight increase is necessary. For .020 skin the weight is increased 15 lb. at (+20).

Engine Continental A-65-1 (see item 126.B for optional engines.)

Not eligible for original certification with single ignition engine.

Fuel	73 minimum octane aviation gasoline 80 minimum octane required for seaplane (with item 212 installed)			
Engine limits	For all operations, 2350 r.p.m. (65 hp)			
Propeller limits	Maximum permissible diameter:			
	(Landplane)			79 in.
	(Seaplane with item 204)			85 in.
	(Seaplane with item 212, see propeller item 2 (f).			
Airspeed limits	(Landplane) Level flight or climb			115 m.p.h. (100 knots) True Ind.
	Glide or dive			145 m.p.h. (126 knots) True Ind.
	(Seaplane) Level flight or climb			109 m.p.h. (95 knots) True Ind.
	Glide or dive			145 m.p.h. (126 knots) True Ind.
C.G. range	(Landplane) (+13.6) to (+19.0). When bungee is replaced by elevator trim tab (dwg. 48589) following range must be used: (+13.6) to (+18.8)			
	(Seaplane) (+15.4) to (+18.3)			
Empty wt. C.G. range	Landplane	Seaplane (With item 204)	Seaplane (With item 212)	Fuel Tank Installation
	<u>Forward limits</u>			
	(+11.6)	(+14.0)	(+14.0)	Item 105, or 101 and 105 or 105 and 106.
	(+12.3)	(+14.7)	(+14.7)	Item 102 or 112.
	(+12.2)	(+14.4)	(+14.4)	Item 115.
	<u>Rear limits</u>			
	(+14.8)	(+15.1)	(+14.4)	Item 105.
	(+13.7)	(+14.2)	(+14.4)	Item 101 and 105.
	(+14.5)	(+14.9)	(+14.0)	Item 105 and 106.
	(+17.0)	(+17.0)	(+17.5)	Item 102.
	(+17.3)		(+16.7)	Item 112.
	(+16.9)	(+16.7)	(+15.7)	Item 115.
	When empty weight C.G. falls within the pertinent range, computation of critical fore and aft C.G. position is unnecessary. Ranges are not valid for non-standard arrangements except as noted.			
Maximum weight	(Landplane) 1200 lb. See NOTE 6 for 1260lb. (Seaplane with item 204) 1260lb. (Seaplane with item 212) 1350lb.			
No. of seats	2 (+20)			
Maximum baggage	75 lb. (+40)			
Fuel capacity	14 gal. (+40). Placard required: "Full carburetor air heat required for takeoff and landing." The reason for this placard is that during takeoff acceleration and initial high-angle-of-attack climb, the fuel flow may not be adequate for proper operation. Application of full carburetor heat in this case helps overcome the possible deficiency of fuel flow during takeoff. Carburetor ice is not a basic consideration in requiring this placard. (See also items 101, 102, 106, 111, 112, and 115 for optional tanks.).			
Oil capacity	4 qt. (-24)			
Control surface movements	Elevators	Up 29°	Down 27°	
	Rudder	Right 32°	Left 32°	
	Aileron	Up 25°	Down 25°	
	Elevator tab (required for seaplane with item 212)	Up 14°	Down 28°	
Serial Nos. eligible	833 and up (see NOTE 3 for S/N 801 thru 833)			
Required equipment	(Landplane)	Items 6, 104, 124, 201, 203		
	(Seaplane with item 204)	Items: 6, 104, 122, 124, 204, 605, 606		
	(Seaplane with item 212)	Items: 2(f), 104, 122, 124, 204, 605, 606		