

SERVICE LETTER NO. 8

JULY 22, 1948

TO: ALL AERONCA DISTRIBUTORS AND DEALERS

SUBJECT: CONVERSION OF MODEL 11CC LANDPLANE TO MODEL S11CC SEAPLANE

A few changes are required to be accomplished in order to convert a Model 11CC to a Model S11CC. These changes are: (1) one No. 4-657 auxiliary ventral fin must be added to the bottom of the fuselage (2) a copy of CAA's tentatively approved airplane flight manual must be added to the airplane's papers (3) Markings on airspeed indicator must be changed to meet with these specifications. Move red line to 113 MPH, run yellow arc from red line to 90 MPH, leave remaining green arc as is.

Data which will be needed for the weight statement record follows:

It is not necessary to weigh the airplane unless major repair or alteration has been made to it.

I Weight Change Due to Installation of Floats:

	Wt. (lbs.)	Arm (inches aft of wing leading edge)	Moment (inches lbs.)
Remove Main Landing Gear	-64.0	+ 1.3	-83
Remove Tailwheel Assembly	-10.0	+ 181.0	-1810
Add Floats & Fittings	+ 167.0	+ 19.0	+ 3173
Add Auxiliary Ventral Fin	+ 4.0	+ 161.0	+ 644
Resulting Additional Wt.	+ 97.0		+ 1924
Moment of Additional Wt.	+ 1924		
Arm of Additional Wt.	1924		
	97.0	or 19.8 inches	

II Sample Calculation:

Typical weight of landplane empty = 825 lbs.

Typical c.g. location of landplane = 16.90 inches aft of wing lead edge
 (Obtain actual wt. and c.g. of empty airplane from Aeronca weight statement or from current Form ACA 337)

	Wt. (Lbs.)	Arm (inches aft of wing leading edge)	Moment (inches lbs.)
For landplane	825.0	16.90	13943
Add for seaplane	97.0	19.8	1921
Empty weight of seaplane	922.0		15864
C.G. of Empty seaplane	15864		
	922.0	or 17.21 inches aft of wing leading edge	

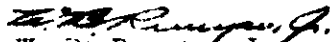
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III C. G. Range

Normal Category: Fwd Limit (+14.6) (24.3% MAC) ● 1216#
Str. Line to (+16.2) (27.0% MAC) ● 1400#
Rear Limit (+21.8) (36.5% MAC) ● 1400#

Utility Category: Fwd Limit (+14.6) (24.3% MAC) ● 1216#
Str. Line to (+16.2) (27.0% MAC) ● 1400#
Rear Limit (+20.6) (34.5% MAC) ● 1400#

AERONCA AIRCRAFT CORPORATION



W. B. Runyan, Jr.
Service and Operations Manager

WER:peh