

**CONTROL SURFACE BALANCE LIMITS FOR EARLY MODEL AIRPLANES**

MODEL	SERIAL	AILERONS		RUDDER		RH ELEVATOR		LH ELEVATOR	
		WEIGHT (POUNDS)	BALANCE (IN POUNDS)	WEIGHT (POUNDS)	BALANCE (IN POUNDS)	WEIGHT (POUNDS)	BALANCE (IN POUNDS)	WEIGHT (POUNDS)	BALANCE (IN POUNDS)
120/140	8000 THRU 15075	3.5 +0.25 -0.00	0.0 TO + 14.3	NONE SPECIFIED					
140A	15200 THRU 15724	1.75 +0.06 -0.00	0.0 TO + 11.31	NONE SPECIFIED					
170	18000 THRU 18729	3.5 +0.25 -0.00	0.0 TO + 14.3	4.00 +0.12 -0.00	-23.0 TO 27.0	NONE SPECIFIED	0.0 TO +67.3	NONE SPECIFIED	0.0 TO +44.0
170A	18730 THRU 20266	*2.94 +0.06 -0.00	0.0 TO + 11.31	4.00 +0.12 -0.00	-23.0 TO 27.0	NONE SPECIFIED	0.0 TO +67.3	NONE SPECIFIED	0.0 TO +44.0
170B	20267 THRU 27169	2.94 +0.06 -0.00	0.0 TO + 11.31	4.00 +0.12 -0.00	-23.0 TO 27.0	-0.92 +0.10 -0.10	+22.0 TO +26.0	.75 +0.10 -0.10	+19.44 TO +24.0
190/195	7001 THRU 7999 & 16000 THRU 16083	RH 7.93 LH 6.56	-.94 TO +.94	5.70 +0.13 -0.00	-.94 TO +.94	11.00 +0.13 -0.00	-.94 TO +4.69	6.12 +0.13 -0.00	-.94 TO +4.69
190/195	16084 THRU 16183	RH 7.93 LH 6.56	-.94 TO +.94	5.70 +0.13 -0.00	-.94 TO +.94	6.71 +0.13 -0.00	-.94 TO +4.69	6.00 +0.13 -0.00	-.94 TO +4.69

\*Some Model 170A airplanes were delivered with 1.75-pound lead balance weights in ailerons.