

PA-28-181	Serial Number	2843363	Registration Number	N4146L		Page Number	
				Weight Change	Running Basic Empty Weight		
Date	Item No.	Description of Article or Modification	Added (+) Removed (-)	Wt. (Lb.)	Arm (In.)	Moment /100	
6/27/00						1800.2	158035.8
5/30/01		Stereo Installation	+	3.3	58.3		
2/4/08		Multi CD (removable)	+	5.0	82.0	1808.5	158638.2
		XPRU MOUNTS INST.				1810	158719
12.8.08		Newwings			88.3	1810	159839
26.5.10		ELECT	-	4.26	236.75	1808.7	158930
26.5.10		ELECT Removal AF426	+	3.0	236.75	1808.7	158940

## WEIGHT AND BALANCE RECORD

Figure 6-7

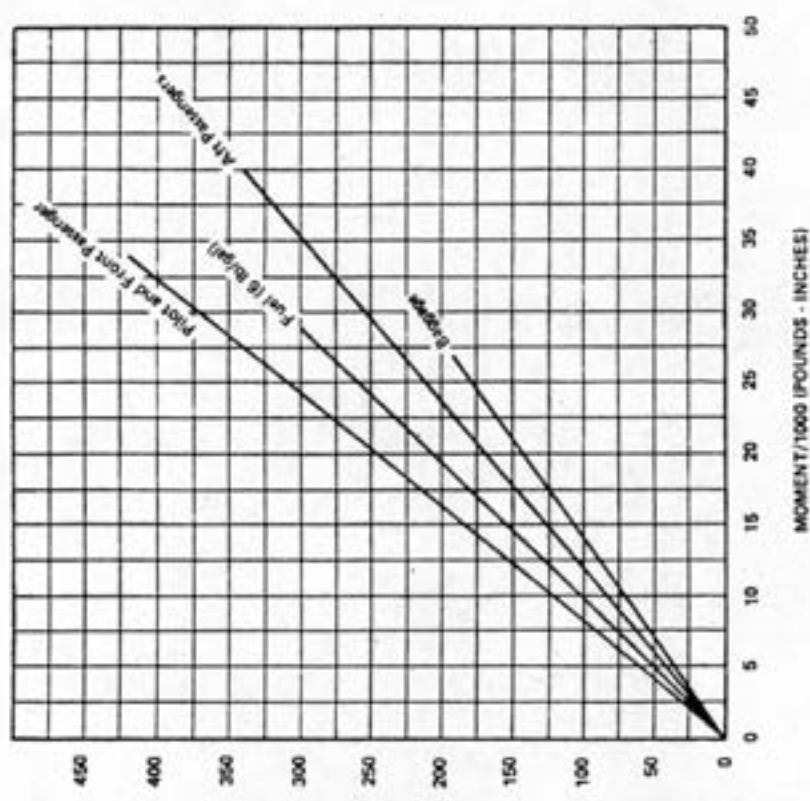
	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (In-Lbs)
Basic Empty Weight			
Pilot and Front Passenger		80.5	
Passengers (Rear Seats)*		118.1	
Fuel (48 Gallon Maximum)		95.0	
Baggage (200 Lbs. Maximum)*		142.8	
Ramp Weight (2558 Lbs. Normal, 2138 Lbs. Utility Maximum)			
Fuel Allowance For Engine Start, Taxi and Run Up	-8	95.0	-760
Takeoff Weight (2550 Lbs. Normal, 2130 Lbs. Utility Maximum)			

Totals must be within approved weight and C.G. limits. It is the responsibility of the airplane owner and the pilot to insure that the airplane is loaded properly. The Basic Empty Weight C.G. is noted on the Weight and Balance Data Form (Figure 6-5). If the airplane has been altered, refer to the Weight and Balance Record for this information.

\*Utility Category Operation - No baggage or rear passengers allowed.

WEIGHT AND BALANCE LOADING FORM

Figure 6-11



LOADING GRAPH

Figure 6-13