

Table 15.1 Group weight format

	Weight, lb	Loc., ft	Moment, ft-lb		Weight, lb	Loc., ft	Moment, ft-lb
Structures	4,526		106,879	Equipment	4,067		80,646
Wing	1,459.4	23.3	34,004	Flight controls	655.7	21.7	14,229
Horizontal tail	280.4	39.2	10,992	APU		0	0
Vertical tail		0	0	Instruments	122.8	10.0	1,228
Ventral tail		0	0	Hydraulics	171.7	21.7	3,726
Fuselage	1,574	21.7	34,156	Pneumatics		21.7	0
Main landing gear	631.5	23.8	15,030	Electrical	713.2	21.7	15,476
Nose landing gear	171.1	13.0	2,224	Avionics	989.8	10.0	9,898
Other landing gear		0	0	Armament		0	0
Engine mounts	39.1	33.0	1,290	Furnishings	217.6	6.2	1,3497
Firewall	58.8	33.0	1,940	Air conditioning	190.7	15.0	2,860.5
Engine section	21	33.0	693	Anti-icing			0
Air induction	291.1	22.5	6,550	Photographic			0
			0	Load and handling	5.3	15.0	79.5
			0	Misc. equipment and We	1,000	31.8	31,800
			0	Empty weight allowance	547	23.6	12,9237
Propulsion	2,354		70,931	Total weight empty	11,495	23.6	27,1379
Engine(s)—installed	1,517	33.0	50,061	Useful load	4,985		
Accessory drive			0	Crew	220	15.0	3,300
Exhaust system			0	Fuel—usable	3,836	22.3	85,551
Engine cooling	172	33.0	5,676	Fuel—trapped	39	22.3	864
Oil cooling	37.8	33.0	1,247	Oil	50	33.0	1,650
Engine controls	20	33.0	660	Passengers			0
Starter	39.5	15.7	620	Cargo/payload	840	21.7	18,228
Fuel system/tanks	568	22.3	12,666	Guns			0
			0	Ammunition	0	21.7	0
			0	Misc. useful load			0
			0	Takeoff gross weight	16,480	22.0	362,744