



**AIRPLANE FLIGHT MANUAL SUPPLEMENT (AFMS) AFMS-ST01716NY-F-25
THE BOEING COMPANY 737-700 IGW
SEVEN-CELL (2-FWD AND 5-AFT) AUXILIARY FUEL SYSTEM**

WEIGHT AND BALANCE DATA

The Auxiliary Fuel System (AFS) Weight and Balance data provided in this section should be used to supplement the actual aircraft weight and balance data provided for the specific airplane. Refer to the D043A570-cccX, Boeing 737-700IGW BBJ Weight and Balance Control and Loading Manual.

The individual Fuel Cell Weight and Balance data are provided in the following table.

737-700 PATS 2-FWD / 5-AFT AUXILIARY FUEL SYSTEM WEIGHT AND BALANCE DATA								
	FUEL CELL		FUEL LOADED U.S. Gallons	FUEL WEIGHT		BALANCE ARM inches	MOMENT	
	Position	ID Number		lbs	Kgs		in-lbs / 1000	in-kgs / 1000
FWD TANK GROUP FTG	2	3A	524	3511	1593	433.00	1520	690
	1	4	517	3464	1572	473.60	1641	744
FTG CAPACITY VSO			1041	6975	3165	453.16	3161	1434
NOTE: Capacity weight based typical fuel density:				@6.7 lbs / gal 6,975	@3.04 kgs / gal 3,165			
MINUS: Amount of unusable fuel in FWD Tank Group			(5)	(32)	(15)			
FTG USABLE:			1036	6943	3150			
AFT TANK GROUP ATG	1	5	447	2995	1359	754.40	2259	1025
	2	6	526	3524	1599	792.00	2791	1266
	3	6	526	3524	1599	832.10	2932	1331
	4	7	508	3404	1544	872.20	2969	1347
	5	8	301	2017	915	914.00	1843	836
ATG CAPACITY VSO			2308	15464	7016	827.42	12795	5805
NOTE: Capacity weight based typical fuel density:				@6.7 lbs / gal 15,464	@3.04 kgs / gal 7,016			
MINUS: Amount of unusable fuel in AFT Tank Group			(14)	(92)	(42)			
ATG USABLE:			2294	15371	6974			
AFS CAPACITY USABLE			3330	22314	10124			
NOTE: Capacity weight based on typical fuel density of 6.7 lbs (3.04 kgs) per U.S. gallon								
MAXIMUM ALLOWABLE FUEL								
FUEL TOTALS VSO			3349	23778	10784			
NOTE: Maximum allowable fuel weight based on 7.1 lbs (3.22 kgs) per U.S. gallon								

Table 2. Weight and Balance Data