

BHT-206B-FMS-29

Bell *JetRanger-II*
MODEL
206B

ROTORCRAFT FLIGHT MANUAL

SUPPLEMENT

IMPACT RESISTANT FUEL CELL KIT 206-704-720

CERTIFIED
6 JANUARY 1994

This supplement shall be attached to the Model 206B Flight Manual when the 206-704-720 Impact Resistant Fuel Cell Kit has been installed.

Information contained herein supplements information of basic Flight Manual. For Limitations, Procedures, and Performance Data not contained in this supplement, consult basic Flight Manual.

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APPROVED:



 MANAGER

ROTORCRAFT CERTIFICATION OFFICE
FEDERAL AVIATION ADMINISTRATION
FT. WORTH, TX 76193-0170

Section 1

OPERATING LIMITATIONS

WEIGHT/CENTER OF GRAVITY

if necessary, to return empty weight CG to within allowable limits.

Actual weight change shall be determined after kit is installed and ballast readjusted,

Section 2

OPERATING PROCEDURES

No change from basic manual.

Section 3

PERFORMANCE DATA

No change from basic manual.

Section 4

MANUFACTURER'S DATA

WEIGHT AND BALANCE DATA

Fuel loading tables are provided for helicopters equipped with the 206-704-720 Impact Resistant Fuel Cell Kit.

Table 4-1. Fuel loading table (English)

USABLE FUEL LOADING TABLE LONGITUDINAL (ENGLISH)							
Jet A, JP-5, JP-8 (6.8 Lbs/Gal)				Jet B, JP-4 (6.5 Lbs/Gal)			
U.S. Gal.	Weight (Lb)	CG In.	Moment In. Lb.	U.S. Gal.	Weight (Lb)	CG In.	Moment In. Lb.
5	34.0	109.4	3720	5	32.5	109.4	3556
10	68.0	110.0	7480	10	65.0	110.0	7150
15	102.0	110.3	11251	15	97.5	110.3	10754
20	136.0	110.4	15014	20	130.0	110.4	14352
25	170.0	110.5	18785	25	162.5	110.5	17956
30	204.0	110.5	22542	30	195.0	110.5	21548
35	238.0	110.7	26347	35	227.5	110.7	25184
40	272.0	111.1	30219	40	260.0	111.1	28886
45	306.0	112.1	34303	45	292.5	112.1	32789
50	340.0	113.1	38454	50	325.0	113.1	36758
55	374.0	113.9	42599	55	357.5	113.9	40719
60	408.0	114.7	46798	60	390.0	114.7	44733
65	442.0	115.3	50963	65	422.5	115.3	48714
70	476.0	115.8	55121	70	455.0	115.8	52689
73	496.4	116.2	57682	73	474.5	116.2	55137

NOTE: All data above represents usable fuel (basic and auxiliary) based on nominal density at 15°C (59°F).

(TABLE I.D. 910517)

Table 4-1M. Fuel loading table (Metric)

USABLE FUEL LOADING TABLE LONGITUDINAL (METRIC)							
Jet A, JP-5, JP-8 (.815 kg/l)				Jet B, JP-4 (.779 kg/l)			
Liters	Weight (kg)	CG (mm)	Moment kg*mm	Liters	Weight (kg)	CG (mm)	Moment kg*mm
20	16.3	2781	45330	20	15.6	2781	43384
40	32.6	2795	91117	40	31.2	2795	87204
60	48.9	2801	136969	60	46.7	2801	130807
80	65.2	2804	182821	80	62.3	2804	174689
100	81.5	2805	228608	100	77.9	2805	218510
120	97.8	2808	274622	120	93.5	2808	262548
140	114.1	2814	321077	140	109.1	2814	307007
160	130.4	2831	369162	160	124.6	2831	352743
180	146.7	2858	419269	180	140.2	2858	400692
200	163.0	2883	469929	200	155.8	2883	449171
220	179.3	2906	521046	220	171.4	2906	498088
240	195.6	2924	571934	240	187.0	2924	546788
260	211.9	2939	622774	260	202.5	2939	595148
276	225.3	2951	664860	276	215.3	2951	635350

NOTE: All data above represents usable fuel (basic and auxiliary) based on nominal density at 15°C (59°F).

(TABLE I.D. 910518)

Section 5

MANUFACTURER'S DATA

HANDLING/SERVICING AND MAINTENANCE

FUEL SYSTEM SERVICING

Usable capacity: 72 U S gallons (272 liters)

Total capacity: 73 U S gallons (276 liters)

