

FIELD AVIATION PORTAGE

FPP-022

WEIGHT & BALANCE AND EQUIPMENT LIST AMENDMENT 2

DATE: 06/10/98	WORK ORDER NO: 2-1033
MODEL: T67C FIREFLY	PAGE: 1 of 1
SERIAL NO: 2108	REGISTRATION: C-GSTZ

PREVIOUS WEIGHT AND MOMENT TAKEN FROM:
 WEIGHT AND BALANCE AND EQUIPMENT LIST AMENDMENT #1

ITEM	WEIGHT	ARM	MOMENT
PREVIOUS EMPTY WEIGHT	692.22 KG	819.0 MM	566.963 KG/M
MOD M844 EMBODIED INTRODUCTION OF WINTERIZATION MODIFICATION, OIL COOLER DOOR AND OIL SYSTEM LAGGING	+ 1.9 KG	- .12 M	-.228 KG/M
SUB-TOTALS	694.12 KG	816.5 MM	566.74 KG/M

NEW EMPTY WEIGHT 694.1 KG AND MOMENT 566.74 KG/M
 AIRCRAFT C of G LOCATION 816.5 MM AFT OF DATUM (AOD).

THE MAINTENANCE DESCRIBED ABOVE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS.

PREPARED BY: *Adrian* M239385 1407806
 CHECKED BY: *J Mack*

FIELD AVIATION COMPANY inc.

FAE-022A

WEIGHT & BALANCE AND EQUIPMENT LIST AMENDMENT 1

DATE: 7-3-94	WORK ORDER NO.: 2-317
MODEL: T67C	PAGE: 1 OF 1
SERIAL NO.: 2108	REGISTRATION: C-9STZ

PREVIOUS WEIGHT AND MOMENT TAKEN FROM: _____

SLINGSBY AIRCRAFT LOADING + DISTRIBUTION SCHEDULE

ITEM	WEIGHT	ARM	MOMENT
PREVIOUS EMPTY WEIGHT	692.65 kg	820.5 mm	567.973 kgm
REMOVE NARCO ELT 910	- 2.5 kg.	2267 mm	- 5.67 kg m
REMOVE NARCO REMOVE SWITCH	- .047 kg	400 mm	- 0.019 kgm
ADD D+m ELT 14	+ 2.04 kg.	2267 mm	. 4.62 kg m
ADD D+m REMOVE SWITCH	+ .032 kg.	400 mm	0.032 kgm

SUPERSEDED
 BY
 AMENDMENT
 1

SUB-TOTALS	692.22 kg	819.0 mm	566.936 kgm
NEW EMPTY WEIGHT AND MOMENT AIRCRAFT C OF G LOCATION	692.22 kg	566.936 kgm	EMPTY
	819.0 mm	AFT OF DATUM	

THE MAINTENANCE DESCRIBED ABOVE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS.

PREPARED BY: P. King CHECKED BY: Raymond Jones M376624

PART B LOADING

1. To obtain moments of items, refer to Fig. 1 and read off moment from corresponding weight. Repeat this for all items of load and record both weight and moment in the appropriate columns below.
2. Total the weight column, TOTAL THE MOMENT COLUMNS, ASCERTAIN THE RESULTANT MOMENT, and divide by the total weight, in order to ascertain that the resulting intersection point falls within the permissible loading envelope, appropriate to the certification category. The envelope(s) take account of fuel usage in flight. Examples of the use of the Figures are given in the Flight Manual.

	EXAMPLE AIRCRAFT		YOUR AIRCRAFT	
	Weight kg	Moment kg/m (+) (-)	Weight kg	Moment kg/m (+) (-)
Basic Weight (See Part A)	660.0	529.32	692.65	567.973
Fuel-Standard (@ 6.01b/U.S.gall) (@ 0.7125kg/litre)	65.3	48.32		
Pilot and Passenger	163.3	198.0		
Baggage	10.0	18.5		
TOTALS OF MOMENTS		794.14		
TOTAL WEIGHT & RESULTANT C OF G	898.6	883.7mmAOD mm AOD		

In accordance with the ANO, it is a requirement that the pilot satisfied himself before take-off that the load is of such a weight and is so distributed and secured that it may safely be carried on the intended flight.

Full conformity with the instructions contained in this document will ensure compliance with the Flight Manual in respect of aircraft loading.



LIST OF BASIC EQUIPMENT

Ref: APPENDIX 31

Date: 30/03/93

Type: T67C

Registration No: C-GSTZ
Construction No. 2108

Aircraft Nationality: Canadian

PART A BASIC DATA

1. The aircraft is as defined in Type Certificate Data Sheet: BA17
2. The Weighing Record from which the Basic Aircraft Weight is calculated is
Ref: T67/1/93 Date: 19th January 1993
3. The Basic Aircraft Weight is: 692.65 kg made up as follows:
 - (a) Basic aircraft, including standard equipment (eg seat lap straps)
 - (b) Items of non-standard equipment, as listed in Part B.
4. The moment of the aircraft as at 3 is: 567.973 kgm.

PART B NON STANDARD-EQUIPMENT INCLUDED IN WEIGHT STATED IN PART A

ITEM	WEIGHT	MOMENT		DATE OF CHANGE OR EMBODIMENT	REMARKS
		(+)	(-)		
Nil					

PART C NON-STANDARD EQUIPMENT NOT INCLUDED IN WEIGHT STATED IN PART A

ITEM	WEIGHT	MOMENT (+)	MOMENT (-)	DATE OF CHANGE OR EMBODIMENT	REMARKS

NOTE: When re-calculation of Basic Aircraft Weight is made (see BCAR Section A, Chapter A5-1, para. 6.1.4) items in Part C should be included in the re-calculation and moved to Part B.

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APPENDIX

EQUIPMENT LIST

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Registration: C-GSTZ

Type: Slingsby T67C Firefly

Serial No. 2108

Date: 30/03/93

Equipment listed below was installed at time of weighing.

ITEM	DESCRIPTION	WEIGHT LBS	ARM	MOMENT
1	PANEL (+ WIRES & SWITCHES)	13.90	28.70	398.93
2	GLARESHIELD	2.09	27.00	56.43
3	O.A.T. GAUGE	.23	28.00	6.44
4	CABIN AIR VENTS	.62	28.00	17.36
5	G-METER	.89	27.00	24.03
6	AIR SPEED INDICATOR	.66	27.50	18.15
7	TURN CO-ORDINATOR	1.60	26.00	41.60
8	TACHOURMETER	.79	27.00	21.33
9	ARTIFICIAL HORIZON	2.75	26.00	71.50
10	DIRECTIONAL GYRO	2.90	25.00	72.50
11	ALTIMETER	.84	27.00	22.68
12	VERTICAL SPEED INDICATOR	.76	27.00	20.52
13	CLOCK	.22	28.00	6.16
14	AUDIO PANEL	1.70	25.00	42.50
15	VHF COMM	2.80	25.00	70.00
16	VHF NAV INDICATOR	1.30	25.00	32.50
17	ROCHESTER ENGINE GAUGES	1.23	28.00	34.44
18	D.M.E.	2.60	25.00	65.00
19	TRANSPONDER	3.00	25.00	75.00
20	VACUUM GAUGE	.30	28.00	8.40
21	CARB TEMP GAUGE	.25	28.00	7.00
22	VHF NAV	3.00	25.00	75.00

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APPENDIX

EQUIPMENT LIST

PAGE 2 OF 2

Registration: C-GSTZ

Type: Slingsby T67C Firefly

Serial No. 2108

Date: 11/08/94

Equipment listed below is included in the empty weight.

ITEM	DESCRIPTION	WEIGHT LBS.	ARM INS.	MOMENT LB/INS.
23	FUEL PRESSURE GAUGE	.31	28.00	8.68
24	MARKER BEACON RECIEVER	.56	27.00	15.12
25	ADF KI227-00	.70	26.00	18.20
26	ADF KR87	2.90	25.00	72.50
	AVIONICS EQUIPMENT			
27	ALTITUDE ENCODER	1.20	82.00	98.40
28	ATC P CONVERTER	.22	82.00	18.04
29	ADF LOOP/SENSE ANTENNA	2.80	108.00	302.40
30	ELT DM ELT 14-1-1	4.50	84.00	378.00
31	REMOTE SWITCH (ELT) U231-2	.21	28.00	5.88
	EQUIPMENT (GENERAL)			
32	FIRE EXTINGUISHER (UNDER SEAT)	5.28	33.00	174.24
33	FIRE EXTINGUISHER (FRAME 5)	XXXX	XXXXX	XXXXXX
34	ESCAPE AXE	.33	80.50	26.57
35	FIRST AID KIT	1.13	63.50	71.76
36	CUSHIONS	8.90	48.00	427.20
37	BATTERY	27.70	-3.93	-108.86