

Revision No 11 to Supplement ref. 8.9
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8.9 KUBÍČEK ‘BOTTOM ENDS’ WITH CAMERON ENVELOPES

8.9.1 GENERAL INFORMATION

This supplement shall be inserted in the Flight Manual, in Section 8: ‘Supplements’ with the revisions record sheet amended accordingly.

Information contained herein supplements, or in the case of conflict, supersedes that contained in the basic Flight Manual. For Limitations, Procedures, and Performance Data not contained in this supplement, consult the basic Hot Air Balloon Flight Manual.

All references to the Kubíček Flight Manual refers to Flight manual Ref B3102, Issue dated 15 May 2017 or later EASA approved revision.

Throughout this supplement the term “Cameron” refers to envelopes, burners and cylinders manufactured by Cameron, Lindstrand Hot Air Balloons Limited, Sky and Thunder & Colt.

Issue 11 of this supplement has four pages.

There are no additional continued airworthiness instructions associated with this supplement.

8.9.2 LIMITATIONS

8.9.2.3 FUEL

8.9.2.3.1 Fuel Pressures

Maximum admissible fuel pressure: 12 bar (174 psi)

8.9.2.4 MINIMUM BURNER REQUIREMENTS

1. The Ignis Burner may only be used with envelope volumes of:

Burner Configuration	Permitted Envelope Volume
Ignis Double (two units)	60,000 ft ³ (1700m ³) - 210,000 ft ³ (5950 m ³)
Ignis Triple (three units)	140,000 ft ³ (3970 m ³) - 300,000 ft ³ (8496 m ³)
Ignis Quad (Four units)	160,000 ft ³ (4531 m ³) - 500,000 ft ³ (14158 m ³)

2. Instrument Marking

Instrument markings and colour code meanings are shown for the burner pressure gauge.

Red Radial Line	Yellow Arc	Green Arc	Yellow Arc	Red Radial Line
Lower Limit	Significant Power Decrease	Normal Operation	Significant Flame Length Increase	Upper Limit
3 bar (44 psi)	3-4 bar (44-58 psi)	4-11 bar (58-160 psi)	11-12 bar (160-174 psi)	12 bar (174 psi)

8.9.2.15 BASKETS

6. The maximum number of occupants, maximum payload and approved envelope volume of each variant of Kubíček basket is given in Table 6.
7. Where a partitioned basket is used, an approved pilot restraint harness must be fitted.

8.9.2.18 EQUIPMENT INTERCHANGEABILITY

1. The burners, baskets and cylinders manufactured by Kubíček Balloons which may be used in combination with Cameron envelopes are listed in Section 8.9.9 of this supplement.
2. Approved Cameron Burner systems may be used in combination with Kubíček baskets where the burner is fitted in a compatible frame. Limitations specific to each burner assembly should be used (refer to base manual Section 2.4 and Supplement 8.22.2.4). A list of compatible frames is given in Section 8.9.9 of this supplement.
3. The Ignis Double Burner (two units) may be used in combination with Cameron Baskets when mounted in Cameron load frame CQ2018.
4. The Ignis Double Burner (two units) may be used in combination with Cameron Baskets when mounted in the Fixed/Vario Frame-Basic subject to an assembly check.

WARNING: The length of basket cables, support rods and angle of mounting sockets must be checked when combining equipment from different manufacturers.

8.9.3 EMERGENCY PROCEDURES

No Change

8.9.4 NORMAL PROCEDURES

No Change

8.9.5 WEIGHT CALCULATIONS

No Change

8.9.6 BALLOON AND SYSTEMS DESCRIPTION

8.9.6.3 Burner

Refer to applicable Kubíček balloons Flight Manual.

8.9.6.5 BASKET

Refer to applicable Kubíček balloons Flight Manual.

8.9.7 BALLOON MAINTENANCE, HANDLING AND CARE

Refer to applicable Kubíček balloons Flight Manual.

8.9.9 EQUIPMENT LIST

Tables 6 and 8 list the Kubíček baskets and burners which may be used with Cameron envelopes.

Table 6: Kubíček Balloons Baskets (additional)

Basket Category	Drawing Number	Basket Description	Applicable Cylinders	Applicable Burner Frames	Max. Payload (kg)	Max. Occupancy	Approved Envelope Volume ***
B	K10*	56-65 O	1,1a, 2, 3	Fixed Frame H3 Type Fixed / Vario Frame - basic	600	3	56-105
C	K11*	56-65 O	1,1a, 2, 3	Fixed / Vario Frame - basic	650	3	56-105
D	K12*	77-84 O	1,1a, 2, 3	Fixed / Vario Frame - basic	700	4	60-105
D	K12A*	77-84 O	1,1a, 2, 3	Fixed / Vario Frame - basic	700	4	60-105
E	K15*	90-105 O	1,1a, 2, 3	Fixed / Vario Frame - basic	800	5	70-140
F	K16*	90-105 O	1,1a, 2, 3	Fixed / Vario Frame - basic	900	5	77-150
F	K17*	90-105 O	1, 1a, 2, 3	Fixed/ Vario Frame - basic	900	5	77-150
G	K18*	120 O	1,1a, 2, 3	Fixed / Vario Frame - basic	950	6	77-150
G	K19*	120 O	1, 1a, 2, 3	Fixed / Vario Frame - basic	950	6	77-150
H	K25P	140 T	1,1a, 2, 3	Fixed K25P Type	1000	8	133-210
L	K40y	210-250 T	1,1a, 2, 3	CB2505, CB2592, Kubicek K40Y Type	1200	12	160-300
O	K60	300 TT	1,1a, 2, 3	K60, K60 STRONG	1800	18	250-500
O** or Q	K70	350 TT** or 425 TT	1,1a, 2, 3	K60, K60 STRONG	3000	22	250-450

* These baskets are compatible, subject to an assembly check, with the following Cameron burner frames : A0/BFS/500A Series, CB855, CB871, CB925, CB2598, CB2224, CB2203, CB2231, CB2309, CB2874, CB2226, CQ2018, CB8810, B8811, CB8820, CB8821, CB8864, CB8894, CB8902.

** Serial numbers up to 399

*** Envelope volume in 1,000 cu.ft.

Table 8: Kubíček Balloons Burners (additional)

Burner Category	Burner Model
B	Ignis Double (Two units)
C	Ignis Triple (Three units)
D	Ignis Quad (Four units)