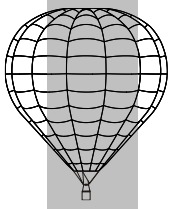

S 4 KUBÍČEK "BOTTOM ENDS"

SUPPLEMENT 4

'KUBÍČEK' BASKET AND BURNERS WITH ULTRAMAGIC EQUIPMENT

The technical content of this document is approved under the authority of the DOA, ref.: EASA.21J.351.

4.1 GENERAL INFORMATION

The information contained here in this document, supplements or supersedes the basic manual only in the areas listed. For limitations, procedures and performance information not contained in this supplement, consult the basic Ultramagic Flight Manual.

This supplement is issued to cover additional actions to be taken to safely and efficiently use Kubíček baskets and burners with Ultramagic envelopes.

4.2 LIMITATIONS

4.2.15 Other manufacturers equipment

The burners and baskets manufactured by Kubíček which may be used in combination with Ultramagic envelopes are listed in section 4.8

The equipment must be identifiable as an FAA type certified vehicle with the applicable Type Certificate Data Sheet B04CE.

CAUTION: Kubicek burners extinguishing due to lack of oxygen was proved at levels higher than 23000 ft ALT.

4.3 EMERGENCY PROCEDURES

No change

4.4 NORMAL PROCEDURES

4.4.5.2 Rigging the basket and burner

Kubíček burner frames are similar to Ultramagic with a single plate corner lug. Assembly is therefore similar to that of an Ultramagic and the same checks should be carried out.

4.4.10 Control during flight

Add to 4.10.2 Fuel management as follows:

Note: *Burner – run only one cylinder down so that there are two cylinders of minimum 20% fuel capacity for landing, flame check.*

4.5 LOADING

No change

4.6 BALLOON AND SYSTEM DESCRIPTION

4.6.2.2 Burner and burner frame

Refer to applicable Kubíček Flight Manual approved for use in the USA as listed on TCDS B04CE.

4.6.2.3 Basket

Refer to applicable Kubíček Flight Manual approved for use in the USA as listed on TCDS B04CE.

4.6.2.4 Fuel Cylinders

Refer to applicable Kubíček Flight Manual approved for use in the USA as listed on TCDS B04CE.

4.7 BALLOON MAINTENANCE, HANDLING AND CARE

Refer to applicable Kubicek Maintenance Manual approved for use in the USA as listed on TCDS B04CE.

4.8 OTHER MANUFACTURERS EQUIPMENT

4.8.3 Other Equipment

KUBÍČEK BASKETS

Basket Size (cm) *Width ±5 cm*	Type	Empty Mass (kg)	UM Envelope size range
85 x (100 – 116)	K10(open)	60	56 - 77
116 x (116 – 126)	K12(open)	80	65 - 90
116 x (116 – 126)	K12a(open)	80	65 - 90
116x125/100x120	K13/K13S (open)	80 / 55	65 - 120
116 x (125 – 135)	K15(open)	85	65 - 105
116 x (140 – 150)	K16(open)	90	90 - 130
116 x (140 – 150)	K17(open)	90	90 - 130
116 x (155 – 180)	K18(open)	100	90 - 130
116 x 155	K19 (open)	95	90 - 150
125 x (179 – 183)	K22(open)	105	90 - 150
125 x (208 – 226)	K25P(single partition)	140	130 - 250
166 x 300	K40Y (Y partition)	250	180 - 250

160 x 240	K32T (T partition)	210	180 - 250
160 x 250	K32TT (TT partition)	210	180 - 250
160 x 300	K50TT (TT partition)	300	180 - 250
160 x 380/390	K60/K60X	350/378	250 - 425
160 x 440	K70	400	250 - 425
160 x 610	K100	550	355 - 500
160 x 480	K80	450	300 - 500

KUBÍČEK BURNERS and CYLINDERS

Burner Type	Mass (kg)	UM Envelope size range
Ignis Double (K10 to K25P)	23 to 43	65 - 180
Ignis Triple (K25P to K50TT)	41 to 59	145 - 250
Ignis Quad (K40Y to K100)	56 to 102	210 - 500
Sirius Single (K10 to K19)	18	30 - 120

Cylinder Type	Empty Mass (kg)	Fuel Capacity (kg)	UM Envelope size range
VA-50	15	21	All
VA-70	18	30	All
KB72L	20	31 / 34*	All
KB85L	22	36 / 40*	All
KB97L	24	41 / 46*	All

* When using LPG

- **See General Notes below**

Notes :

- Dimensions of the basket are external in the base.
- UM envelope sizes are given in thousands of cubic feet, so 65 mean 65.000 ft³.

S 4 KUBÍČEK "BOTTOM ENDS"