

issues

SERVICE INSTRUCTION no. 2019/2
Combination of Kubicek* Envelopes With Kavanagh Bottom Ends

- 1. WITH REFERENCE TO:** Kubicek BB balloons registered in Australia.
- 2. DESCRIPTION:** This Service Instruction specifies the conditions for the safe combination of Kubicek* envelopes with parts manufactured by Kavanagh** Balloons as well as with parts manufactured by Cameron Balloons***.
- NOTE:**
- * "Kubicek" includes all BB balloon envelopes and parts included in type certification data sheets where Balóny Kubíček spol. s r.o. is the type certificate holder.
 - ** "Kavanagh" includes all parts included in type certification data sheets where Kavanagh Investment Trust is the type certificate holder.
 - *** "Cameron" includes all parts included in type certification data sheets where Cameron Balloons Ltd. is the type certificate holder.
- 3. APPLICABILITY:** All CASA approved Kubicek envelopes. Australian registered only.
- 4. REQUIRED ACTION:** As specified below.
- 5. DEADLINE FOR ACTION:** As required by operator.
- 6. ACTION CARRIED OUT BY:** Owner / Operator.
- 7. COST COVERED BY:** Owner / Operator.
- 8. NECESSARY MATERIAL:** Manuals, instructions, service bulletins, service instructions and all other airworthiness-related documents from Kubicek, Kavanagh and Cameron applicable to the parts actually used.
- 9. PROCESS:**
- A) General**
1. All parts must be approved by means of a Type Certificate or other relevant document issued by CASA.
 2. The operator shall ensure that each part is used in accordance with the manufacturer's instructions, and that the operational limitations or other instructions for each manufacturer's parts are observed while operating the balloon. Where the requirements between manufacturers vary, the more restrictive are to be followed.
 3. The operator shall ensure that each part is used in accordance with CASA regulations and requirements.
 4. The operator shall ensure that each part is maintained in an airworthy condition in accordance with manufacturer's instructions. It is recommended that the operator ensures that he receives all necessary information (Service Bulletins, Airworthiness Directives etc.) that relate to parts used in a particular balloon.
 5. If requested, the operator shall provide Kubicek with the necessary information in accordance with A.2 and A.4 as well as copies of the confirmative certifying documents issued by the other part manufacturer's aviation authority.
 6. Any airworthiness directive or service bulletin issued by Kavanagh or Cameron that involves any part used on the actual

balloon shall be considered mandatory. Airworthiness directives and service bulletins from Kavanagh and/or Cameron applying to the envelope are not applicable

- The operator shall provide Kubicek with details of the basket and burner in use.

B) BURNER

- Where Kavanagh burners are used they must comply with the power / units number which is required by Kubicek for a particular envelope.
- Where Cameron burners are used in conjunction with Kavanaugh baskets, Cameron Balloons flight manual issue 10 (or later revision) must be used for burner limitations and operational procedures. To determine fitment interchangeability in this configuration, the “Approved Combinations of BB Envelopes and Burners” table in the Kubicek Flight Manual is replaced with the following table (for Cameron Burner Category[†] details, refer to Table 8 - Burners - in the Cameron Flight Manual):

Kubicek Balloon Envelope	Cameron Burner Category [†] on Kavanaugh Basket
BB12, BB12E	A
BB16, BB16E	A, B
BB17GP, BB17XR	A, B
BB18E	A, B
BB20, BB20ED, BB20E, BB20GP, BB20XR	A, B
BB22, BB22D, BB22ED, BB22E, BB22N, BB22Z, BB22XR	A, B
BB26, BB26D, BB26ED, BB26E, BB26N, BB26Z, BB26XR	A, B
BB30D, BB30ED, BB30E, BB30N, BB30Z, BB30XR	B
BB34D, BB34ED, BB34E, BB34Z	B
BB37D, BB37N, BB37Z	B
BB40D, BB40Z	B, C
BB42D, BB42Z	B, C
BB45D, BB45N, BB45Z	B, C, D
BB51D, BB51Z	B, C, D
BB60D, BB60N, BB60Z	B, C, D
BB64Z	C, D
BB70D, BB70Z	C, D
BB78Z	C, D
BB85D, BB85Z	C, D
BB92Z	D
BB100D, BB100Z	D
BB105P	D
BB106P	D
BB113P	D
BB120P	D
BB130P	D
BB142P	D

- The burner frame must be compatible with the envelope and basket. To achieve this compatibility, envelope modifications must be only be performed by Kubicek. If necessary, the operator

must provide Kubicek with the necessary information for these modifications. Modifications to the basket / burner frame should be performed by the basket / burner manufacturer.

C) BASKET

1. The basket size must be appropriate for the size of balloon and not exceed the limitations of the Kubicek envelope.
2. The permitted number of passengers / number of cylinders prescribed by the basket manufacturer must be respected.
3. The basket must be loaded within the permitted loading capacity specified by the basket manufacturer and must never exceed the balloon envelope maximum take-off weight prescribed by Kubicek.
4. The basket must be compatible with the burner frame.

D) FUEL CYLINDERS

1. Fuel cylinders manufactured or approved by Kubicek, Kavanagh or Cameron are to be used.

10. BULLETIN TAKES EFFECT: 5 April 2019

11. ENCLOSURES: None

Date: 25 April 2019



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