



# Supplemental Type Certificate

**Number:** ASL045SY

**This certificate issued to:** Kavanagh Investment Trust  
PO Box 53  
Mount Kuring-Gai, NSW 2080, Australia

**certifies that the change in the type design for the following products with the limitations and conditions as specified herein meets the certification basis of the respective Australian Type Certificate Data Sheets.**

**Original Product:** See attached list of approved balloon models.

**Description of Type Design Change:** Installation of Cameron Burners in single, double, triple or quad burner configurations in Kavanagh Balloons in accordance with Kavanagh Balloons Report KAV2000-04 Issue 6 dated 15 November 2019, or later CASA approved revision. The following installations are approved:

Kavanagh Balloon Model	Cameron Burner
B-77	A, A <sup>1</sup> , B, B <sup>2</sup>
B-105	B, B <sup>2</sup>
B-350	D, D <sup>4</sup>
B-400	D, D <sup>4</sup>
B-425	D
C-56	A, A <sup>1</sup> , B, B <sup>2</sup>
C-65	A, A <sup>1</sup> , B, B <sup>2</sup>
C-77	A, A <sup>1</sup> , B, B <sup>2</sup>
D-77	A, A <sup>1</sup> , B, B <sup>2</sup>
D-84	A, A <sup>1</sup> , B, B <sup>2</sup>
D-90	A, A <sup>1</sup> , B, B <sup>2</sup>
D-105	B, B <sup>2</sup>
E-120	B, B <sup>2</sup> , C, C <sup>3</sup>
E-140	B, B <sup>2</sup> , C, C <sup>3</sup>
E-160	B, B <sup>2</sup> , C, C <sup>3</sup>
E-180	B, B <sup>2</sup> , C, C <sup>3</sup>
E-210	B, C, C <sup>3</sup>
E-240	C, C <sup>3</sup> , D, D <sup>4</sup>
E-260	C, C <sup>3</sup> , D, D <sup>4</sup>
E-300	C, C <sup>3</sup> , D, D <sup>4</sup>
EX-60	A, A <sup>1</sup> , B, B <sup>2</sup>
EX-65	A, A <sup>1</sup> , B, B <sup>2</sup>
EX-70	A, A <sup>1</sup> , B, B <sup>2</sup>
EX-77	A, A <sup>1</sup> , B, B <sup>2</sup>
EX-90	A, A <sup>1</sup> , B, B <sup>2</sup>
G-450	D
G-525	D

A, A<sup>1</sup>, B, B<sup>2</sup>, C, C<sup>3</sup>, D and D<sup>4</sup> Burners are listed in the Cameron Flight Manual Section 9, Table 8 and Flight Manual Supplements 8.22 and 8.51.

# Supplemental Type Certificate

(Continuation Sheet)

Number: ASL045SY

## Approved Model List

Type Certificate Number	Make	Model
VL501	Kavanagh	B-77, B-105, B-350, B-400
VL502	Kavanagh	EX-65
VL503	Kavanagh	G-450
VL504	Kavanagh	E-120, E-140, E-160, E-180, E-200, E-210, E-240, E-260, E-300
VL505	Kavanagh	C-56, C-65, C-77
VL506	Kavanagh	D-77, D-84, D-90, D-105
VL507	Kavanagh	B, C, D, E, EX, G Series

## Limitations and Conditions:

The fitment of Cameron Burners is limited to those listed in Kavanagh Balloons Flight Manual Supplement 9.3 paragraphs 9.3.7.12.1 and 9.3.7.12.2.

CASA approved Flight Manual Supplement 9.3 Issue 4 dated October 2019, or later CASA approved revision is required.

This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those previously approved modifications will produce no adverse effect upon the airworthiness of that aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data, which is the basis for approval, shall remain in effect until suspended, cancelled or a termination date is otherwise established by the Civil Aviation Safety Authority.

**Date of application:** 12<sup>th</sup> December 2000

**Date of issuance:** 8<sup>th</sup> January 2001

**Date Amended:**

29<sup>th</sup> October 2003

**Date Amended:**

29<sup>th</sup> June 2010

**Date Amended:**

4<sup>th</sup> March 2013

**Date Amended:**

12<sup>th</sup> January 2017

**Date Amended:**

19 November 2019

**This certificate is issued pursuant to Part 21.113A of the Civil Aviation Safety Regulations**



Richard Stocker  
Delegate of the Civil Aviation Safety Authority