

# Sky Balloons

## New TC holder Details

Cameron Balloons Ltd  
St Johns Street  
Bedminster  
Bristol  
BS3 4NH

Tel +44 (0) 117 9637216

Tel +44 (0) 117 9661168

Email: [technical@cameronballoons.co.uk](mailto:technical@cameronballoons.co.uk)

Web: [www.cameronballoons.co.uk](http://www.cameronballoons.co.uk)

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### **Record of Amendments (cont)**

No.	Date	Affected Pages	Approval
1	March 96	ii,iv,vii,viii updated to show new pages 6.1.1, 6.1.2, 6.1.3, 6.2.1, 6.2.2, 6.3.1, 6.3.2, 6.4.1, 6.4.2, 6.4.3, 6.4.4 added.	
2	January 97	ii, iv, vi, vii, viii, 2.1.1, 2.1.2, 2.2.1, 3.2.5, 4.2.5, 6.2.1, 6.2.2, 7.1.1, app1 page 1, FAA control page, 5.1.2 deleted	
3	December 97	Appendix 3 added	
4	November 98	ii, iv, viii, updated, ix added to show new pages. 5.7.1, 5.7.2, 5.7.3, 5.8.1, 5.8.2, 5.8.3, 5.8.4, 5.9.1	
5	May 1999	All, to reflect new company name.	
6	Oct 2017	ia, ii, iv, 2.1.1, 2.2.1, 4.1.1, 5.1.2, 6.2.1, 6.2.2, A1. Page 2.1.2 deleted.	The technical content of this document is approved under the authority of DOA nr EASA.12J.140 (C720)

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### Checklist of Pages

Page	Issue	Page	Issue	Page	Issue
i *	1.5	3.4.5	1.5	5.8.2	1.5
ia	1.6	3.4.6	1.5	5.8.3	1.5
ii	1.6	3.4.7	1.5	5.8.4	1.5
iii	1.5			5.9.1	1.5
iv	1.6	4.1.1	1.6		
v	1.5	4.2.1	1.5	6.1.1	1.5
vi	1.5	4.2.2	1.5	6.1.2	1.5
vii	1.5	4.2.3	1.5	6.1.3	1.5
viii	1.5	4.2.4	1.5	6.2.1	1.6
ix	1.5	4.2.5	1.5	6.2.2	1.6
				6.3.1	1.5
1.1.1	1.5	5.1.1	1.5	6.3.2	1.5
1.2.1	1.5	5.1.2	1.6	6.4.1	1.5
		5.2.1	1.5	6.4.2	1.5
2.1.1	1.6	5.2.2	1.5	6.4.3	1.5
2.1.2	Deleted	5.2.3	1.5	6.4.4	1.5
2.2.1	1.6	5.2.4	1.5	7.1.1	1.5
		5.3.1	1.5	A1	1.6
3.1.1	1.5	5.3.2	1.5	A2	1.5
3.1.2	1.5	5.4.1	1.5	FE 1	2
3.2.1	1.5	5.4.2	1.5	FE 2	2
3.2.2	1.5	5.4.3	1.5	FE 3	2
3.2.3	1.5	5.5.1	1.5	FE 4	2
3.2.4	1.5	5.5.2	1.5		
3.2.5	1.5	5.6.1	1.5	FAA CP	1.2
3.3.1	1.5	5.7.1	1.5		
3.3.2	1.5	5.7.2	1.5		
3.4.1	1.5	5.7.3	1.5		
3.4.2	1.5	5.8.1	1.5		
3.4.3	1.5				
3.4.4	1.5				

Pages indicated \* shall be completed by Cameron Balloons or Sky Balloons before this manual is issued.

**2 – Owner maintenance**

**2.1 - Pilot Owner maintenance**

See Section 1.5 Cameron Balloons Limited Hot Air Balloon Maintenance Manual Issue 10 Amendment 4 or later approved revision.

## **2.2-INSPECTION REQUIREMENTS**

### **2.2.1 - Pre Flight**

The required pre-flight checks are given in the Flight Manual, reference SKYFM, Section 2.3. It is the responsibility of the pilot to perform these checks.

### **2.2.2 – Annual/100hr**

To maintain a valid C of A the balloon shall be inspected on an annual or 100 hour basis (whichever occurs first) in accordance with the schedule given in Section 6 of Cameron Balloons Limited Hot Air Balloon Maintenance Manual Issue 10 Amendment 4 or later approved revision. It is the responsibility of the owner / operator to ensure that this inspection is performed by a person / organisation approved by the appropriate Airworthiness Authority.

### **2.2.3 – US requirements for 100 hour/annual inspections**

Part 91.409 of the code of federal regulations defines the requirements for annual and 100 hour inspections. The 100 hour inspection may be performed by an appropriately rated FAA certified mechanic. For the annual inspection the mechanic must also hold an “Inspection authorization”. Some certificated repair stations also have the necessary authorizations. An annual inspection can be counted as a 100 hour inspection, but a 100 hour inspection does not preclude the requirement for an annual inspection.

The technical content of both inspections, as defined in Section 6 of Cameron Balloons Limited Hot Air Balloon Maintenance Manual Issue 10 Amendment 4 or later approved revision, are identical.

## **4 - BASKETS**

### **4.1 – INTRODUCTION**

#### **4.1.1 – Construction of Sky Baskets**

All Sky baskets have traditional wicker work sides with stainless steel reinforcing frames top and bottom. The floor is a reinforced plywood assembly. The top edge of the basket is lined with high density foam (to prevent passenger injury) and finished with suede or leather. The bottom joint of the wicker to the floor is covered with hide to minimise landing damage. Likewise the suspension cables, which form a continuous structural sling around the basket, are covered with hide where they pass under the floor. Sky baskets are designed for long life and also for ease of repair, when required.

#### **4.1.2 - Damage Limits**

See Cameron Balloons Limited Hot-Air Balloon Maintenance Manual Section 6, Issue 10 amendment 4 or later approved revision.

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### 5.1.4 – Allowable Damage

See Cameron Balloons Limited Hot-Air Balloon Maintenance Manual Section 6, Issue 10 amendment 4 or later approved revision.

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### 6.2 - Inspection and cleaning.

#### 6.2.1 Regular Inspection

Each time a cylinder is used the functions should be checked as follows:

- 1) The Gauge is working.
- 2) The fuel connector does not leak if the valve is open with the hose disconnected (applies to liquid and vapour). After performing the test the self-sealing nipple on the liquid connector must be depressed to release the pressure in it. If this is not done it may be difficult to connect the hose (particularly on Tema couplings) or, if the cylinder is left unused for some time liquid expansion may permanently damage the self-sealing assembly.
- 3) Valves perform their intended on/off function.
- 4) Valves are not leaking through the stem.
- 5) Assembled couplings are not leaking.

#### 6.2.2 - Annual / 100 Hour and Periodic (Ten year) inspection

For annual / 100 hour inspection see Cameron Balloons Limited Hot-Air Balloon Maintenance Manual Section 6, Issue 10 amendment 4 or later approved revision.

For Periodic (ten year) inspection see Cameron Balloons Limited HABMM supplement 7.52 issue 3 or later approved revision.

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### 6.2.3 – Cleaning

If inspection reveals excessive dirt in the cylinder or if contamination is suspected (pilot light function is usually affected first) then the cylinder should be emptied in accordance with 6.1.3 and cleaned as described in Cameron Balloons Limited HABMM supplement 7.52 Issue 3 or later approved revision, section 7.52.3.2

MAINTENANCE MANUAL  
APPENDIX 1  
100 HOUR / ANNUAL INSPECTION SCHEDULE

See Cameron Balloons Limited Hot-Air Balloon Maintenance Manual  
Section 6, Issue 10 amendment 4 or later approved revision.