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## **8.29 DROPPING PARACHUTISTS**

### **8.29.1 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.

Issue 2 of this supplement consists of two pages. Supplement 7.21 (two pages) to Maintenance Manual Issue 10 is required to ensure continued airworthiness where baskets are fitted with Easy Access doors.

### **8.29.2 LIMITATIONS**

#### **8.29.2.18 Dropping Parachutists**

1. Free fall parachuting only is permitted. Static line releases are not to be used.
2. The applicable MTOM of the balloon given in Table 1 must not be exceeded. Due allowance should be made for the weights of the occupants with their parachutes.

### **8.29.3 EMERGENCY PROCEDURES**

No change.

### **8.29.4 NORMAL PROCEDURES**

#### **8.29.4.16 Dropping Parachutists**

When parachutists are jumping from the balloon, the following procedure must be used-

1. The parachutists must exit from the sides of the basket away from the fuel hoses and balloon control lines.

2. Before releasing the parachutists the balloon pilot should establish a rate of descent appropriate to the number of parachutists jumping simultaneously as follows:
  - 1 parachutist 200 ft/min (1 m/sec)
  - 2 parachutists 400 ft/min (2 m/sec)
  - 3 parachutists 700 ft/min (3.5 m/sec)
3. The parachutists must only exit on an agreed signal from the balloon pilot when he is satisfied that the required conditions are fulfilled.
4. The balloon pilot must ensure before flight that all balloon control lines are safely secured so that a clean exit can be made by the parachutists.

#### **8.29.4.16.1 External Jump Platform**

Where a basket is fitted with an external jump platform (to facilitate exit with wing-suits etc.), the take-off site should be isolated from non-participants by means of a cordon (roped-off area).

The jump platform should be in the retracted position for take-off. When the desired jump altitude is reached the parachutists should release the doors and move out onto the platform.

When the parachutists have jumped the doors can be closed either remotely or manually by the pilot and the platform retracted.

#### **8.29.5 WEIGHT CALCULATIONS**

No change.

#### **8.29.6 BALLOON AND SYSTEMS DESCRIPTION**

No change.

#### **8.29.7 BALLOON MAINTENANCE, HANDLING AND CARE**

No change.

**8.29.9 EQUIPMENT LIST**

**Table 6: Baskets (additional)**

| Basket Category | Drawing Number | Basket Description* | Applicable Cylinders | Applicable Burner Frames |
|-----------------|----------------|---------------------|----------------------|--------------------------|
| J               | CB3585         | 210 T               | 1a, 1, 2, 3          | CQ2024                   |

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