

The technical content of this document is approved under the authority of DOA ref. EASA. 21J.140 (C737 Issue 2)

## 8.56 PARA PLUS DEFLATION SYSTEM

### 8.56.1 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 four pages.

There are no additional continued airworthiness requirements associated with this supplement.

### 8.56.2 LIMITATIONS

As Parachute Valve. No change.

### 8.56.3 EMERGENCY PROCEDURES

The following procedures supersede the corresponding emergency procedures in the main manual where the Para Plus is fitted:

#### 8.56.3.7 Accidental Operation of the Para Plus

If the Venting line (red & white rope) is accidentally pulled in flight immediately pull the Return line (white rope) to close the deflation system.

**NOTE:** The Para Plus will substantially close automatically upon release of the Venting line (red & white rope), provided that the Venting line has not been excessively pulled.

### 8.56.4 NORMAL PROCEDURES

#### 8.56.4.2.4.2 Preparation of the Envelope

Prior to cold inflation, attach the Venting line (red & white rope) and the Return line (white rope) to the burner frame. The Parachute may be tabbed in as normal, or if a fan of adequate power is available the parachute may be held in the opening by maintaining tension on the Return line (white rope).

### Control Line Functions:

**White Rope** Reversal of Venting line operation, release of velcro tabs, and re-seating of parachuting after venting.

**Red/White Rope** In flight venting and Final Deflation.

#### **8.56.4.4.1 Pre-Take-Off Checks**

Once inflated, check the venting function by pulling on the Venting line (red & white rope) until all the Velcro tabs release. Release the line and check the appearance of the panel. The Return line (white rope) should be operated to check its function and to re-seat the panel.

#### **8.56.4.5.2 In-Flight Release of Hot Air**

To release hot air during flight the Venting line (red & white rope) should be pulled. Venting should not exceed the limitations in Section 2. On release of the Venting line, the parachute panel will close. The Return line (white rope) may be used to re-seat the panel if required.

#### **8.56.4.5.4 Climbing**

During fast climbs, especially in TR-series balloons at near the maximum rate-of-climb, maintaining light tension on the return line will provide extra security for the parachute system.

#### **8.56.4.6 Landing and Final Deflation**

The Venting line (red & white rope) may be pulled immediately before touchdown. If winds are light and it is intended to keep the balloon upright the Venting line may be released once the balloon is stationary. The Return line (white rope) may need to be pulled to close the panel if the Venting line has been pulled a long way. In stronger winds the Venting line should be pulled and held in order to deflate the balloon completely.

### **8.56.5 WEIGHT CALCULATIONS**

No change.

### 8.56.6 BALLOON AND SYSTEMS DESCRIPTION

#### 8.56.6.2 Para Plus

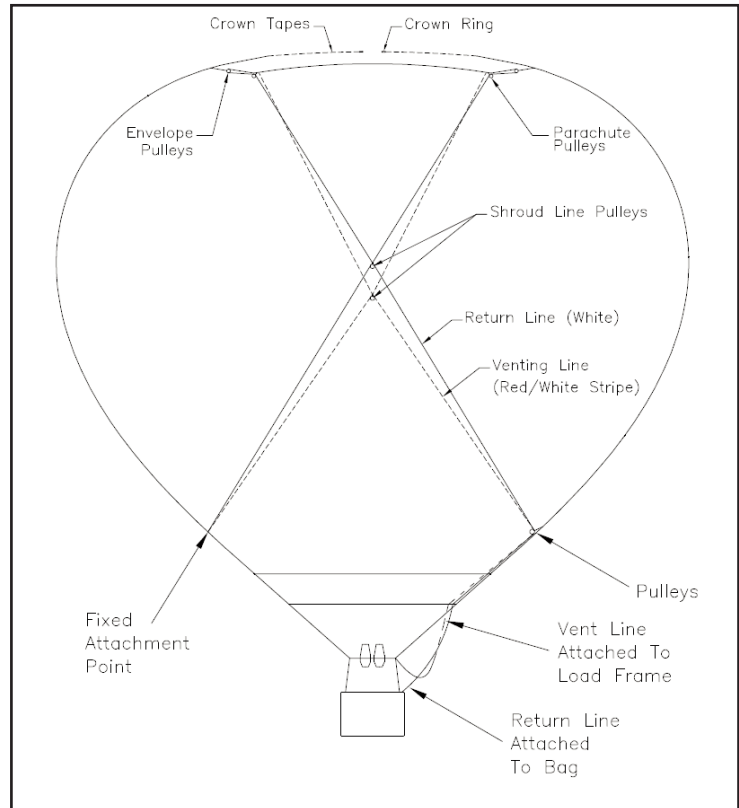
The Para Plus system is a blend of the venting and deflation action of a conventional parachute system with the centralising lines of an RDS. This results in light line loads for venting and deflation, with extra security during fast climbs and the potential to inflate the balloon without having to install the Velcro tabs.

### 8.56.7 BALLOON MAINTENANCE, HANDLING AND CARE

No change.

### 8.56.9 EQUIPMENT LIST

No change.



▲ Para Plus Internal Arrangement

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