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AUTHORITY OF DOA NR. EASA.21J.140 (C525-ISSUE 2)

## 8.34 INFLATED BASKET ARTWORK

### 8.34.1 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.

### 8.34.2 LIMITATIONS

#### 8.34.2.10 RATES OF CLIMB AND DESCENT

1. The maximum rate of climb and descent must not exceed 600 ft/min (3 m/sec) with basket artwork installed.

### 8.34.3 EMERGENCY PROCEDURES

No change.

### 8.34.4 NORMAL PROCEDURES

#### 8.34.4.3.2.1 BASKET RIGGING "HOUSE" ARTWORK

If required, to prevent abrasion damage to the base of the house, lay out a groundsheet

Prepare the house by unfastening the zips on the long side and removing the mesh chimney panels.

Lay the base of the house on the ground with the red mark on the inside of the floor facing downwind.

Place the foam support block into the floor of the house, then place the basket on top of the block with the step hole facing upwind.

Place the battery pack in the basket and connect to the two fan units

Fasten the zips on both the long sides of the house, there are four in total.

Pass the suspension tape over the burner frame and secure to the rings attached to the basket.

Inflate the balloon normally with the inflatable deflated

Once the balloon is upright and the pilot has entered the basket then inflate the house.

Once the house is fully inflated adjust the suspension tape length to achieve a good appearance, and add the mesh chimney panels in the upright position.

#### **8.34.4.3.2.2 BASKET RIGGING “APPLE” ARTWORK**

If required to prevent abrasion damage to the base of the apple, lay out a groundsheet.

Prepare the apple by unfastening the zips on the short sides.

Lay the base of the apple on the ground with the label “long side” on the inside of the floor facing downwind.

Place the foam support block into the floor of the apple.

Place the battery pack in the basket, and then place the basket on top of the block with the step hole facing upwind.

Pass the block suspension tapes round the base of the burner support rods, pull tight and secure.

Fasten the zips on both of the short sides of the apple, there are four in total.

Pass the suspension tapes over the burner frame and secure.

Inflate the balloon normally with the inflatable deflated.

Once the balloon is upright and the pilot has entered the basket, connect the fans to the battery pack and inflate the apple.

Once the apple is fully inflated adjust the suspension tape length to achieve a good appearance.

#### **8.34.4.4 TAKE-OFF**

##### **8.34.4.4.1 “HOUSE” ARTWORK (ADDITIONAL)**

The sides of the chimney should be lowered in order to minimise obstruction to the pilots view. The envelope rotation vents should be used to provide the best down wind view.

#### 8.34.4.5.7 “HOUSE” ARTWORK: OPERATION AT LOW LEVEL

For operation at low level (>200ft AGL), the sides of the chimney should be lowered in order to minimise obstruction to the pilots view. The envelope rotation vents should be used to provide the best down wind view.

#### 8.34.4.6 LANDING

##### Pre-Landing Checks (additional)

**“House”  
Inflated artwork**      Ensure that all the mesh chimney panels are lowered.

Switch off the fan units to allow the house to deflate.

Adjust the length of the suspension tapes to provide a good view for landing.

**“Apple”  
Inflated artwork**      Switch off the fan units to allow the apple to deflate.

#### 8.34.4.6.1 “HOUSE” ARTWORK: APPROACH TO LAND (ADDITIONAL)

Rotate the envelope so as to land on the short side of the basket that affords the best overall view.

#### 8.34.4.12 PACKING “HOUSE” INFLATED ARTWORK

Once the envelope has been packed away, place the basket into upright position.

Remove the mesh chimney panels and open the Velcro deflation slots. Then disconnect the battery pack from the fan units.

To remove the basket undo the suspension tapes from the basket, and unfasten the zips.

The basket and support block can then be removed from the inflatable.

#### 8.34.4.12 PACKING “APPLE” INFLATED ARTWORK

Once the envelope has been packed away, place the basket into upright position.

Disconnect the battery pack from the fan units.

To remove the basket undo the suspension tapes from the basket, unfasten the zips and then undo the block suspension tapes.

The basket and support block can then be removed from the inflatable.

### 8.34.5 WEIGHT CALCULATIONS

No change.

### 8.34.6 BALLOON AND SYSTEMS DESCRIPTION

#### “House” Inflated Artwork

The “House” inflated artwork (CB1623) is a cold-air filled inflatable designed to fit around a standard basket (CB3455) to give it the appearance of a house. The fabric structure is made of flame retardant fabrics and is inflated with low voltage blower fans.

The burner frame and poles are concealed inside the chimney of the house. This area is made of a mesh fabric so that the pilot is concealed while maintaining vision. The chimney panels are independently secured along the vertical seams with Velcro so that they can be lowered to allow un-obscured visibility for landing.

The house is suspended from the burner frame by four adjustable tapes.

#### “Apple” Inflated Artwork

The Apple inflated artwork (CB1682) is a cold-air filled inflatable designed to fit around a standard basket (CB300-4A) to give it the appearance of an apple. The fabric structure is made of flame retardant fabrics and is inflated with low voltage blower fans.

The apple is suspended from the basket by four tapes and from the burner frame by four adjustable tapes.

### 8.34.7 BALLOON MAINTENANCE, HANDLING AND CARE

No change.

### 8.34.9 EQUIPMENT LIST

TABLE 9-BASKET ARTWORK

<b>Drawing Number</b>	<b>Description</b>	<b>Basket Category</b>
CB1623	“House” Inflated Artwork	C,D,E
CB1682	“Apple” Inflated Artwork	C,D,E