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8.15 WHEELCHAIR BASKETS

8.15.1 INTRODUCTION

This supplement was originally approved by UK.CAA as Supplement 11 to Flight Manual Issue 9 on 15 January 2003.

Revision nr "Supplement 15-Issue 2" to AFM ref. "Hot Air Balloon Flight Manual Issue 10 Amendment 0" is approved under the authority of DOA nr EASA.21J.140.

Issue 2 of this supplement has four pages.

Supplement 7.15 (two pages) to Maintenance Manual Issue 10 is required to ensure continued airworthiness.

8.15.2 LIMITATIONS

8.15.2.1 INTRODUCTION

The following limitations apply only when a wheelchair is being carried.

8.15.2.2 WEATHER

1. The balloon must not be flown when the windspeed at ground level exceeds 8 kts (4.1 m/s).
4. The atmosphere must be stable.

8.15.2.7 CREW

2. The maximum number of occupants (consisting of crew and passengers) permitted in the basket is given in Table 6.
6. There must be at least one attendant in the wheelchair passenger compartment.

8.15.2.10 RATES OF CLIMB AND DESCENT

4. With a wheelchair on board, the rate of descent should not exceed 400 ft/min (2.0 m/s).

8.15.2.15 BASKETS

6. Where baskets adapted for wheelchairs are fitted, the use of the lap strap for the wheelchair occupant and the use of wheelchair restraint is mandatory.

8.15.3 EMERGENCY PROCEDURES

No change.

8.15.4 NORMAL PROCEDURES**8.15.4.3.2 Basket Rigging**

The wheelchair is positioned sideways relative to the basket door and orientated to suit the lap-strap. The chair is secured by passing the restraint straps through the framework at front and rear.

8.15.4.7 Landing

With a wheelchair on board, landings with high rates of descent should be avoided.

8.15.5 WEIGHT CALCULATIONS

No change.

8.15.6 BALLOON AND SYSTEMS DESCRIPTION

No change.

8.15.7 BALLOON MAINTENANCE, HANDLING AND CARE

No change.

8.15.9 EQUIPMENT LIST

Table 6 - Cameron Baskets

Basket Category	Drawing Number	Basket Description*	Applicable Cylinders	Applicable Burner Frames	Max. Occupants
D	CB3240	140 x 97 O W	1a, 1, 2	CB2598, CB2224, CB2203, CB2231, CB871, CB855	4
D	CB3054	125 x 107 O W	1a, 1, 2	CB2598, CB2224, CB2203, CB2231, CB871, CB855	4
E	CB967	175 x 107 P W	1a, 1, 2	CB871, CB855	5
F	CB3320	105 - 120 P W	1a, 1, 2	CB2870	5
H	CB3060	140 T W	1a, 1, 2	CB2265, CB2266	8
L	CB3081	210 - 250 T T W	1a, 1, 2	CB2260, CB2304	14

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7.15 WHEELCHAIR BASKETS

7.15.1 GENERAL

No change.

7.15.2 ENVELOPE REPAIRS

No change.

7.15.3 BASKET REPAIRS

7.15.3.1 Routine Maintenance

Laced hide hinges (if fitted) should be inspected before every flight for damage or wear. If any damage is evident, the hinge should be replaced with new hide lacing.

Metal hinges (if fitted) should be inspected before every flight for damage, wear or distortion. Ensure that all the retaining screws are tight.

The leather door straps should be inspected before every flight for damage or wear. If any damage or wear is evident, the affected strap should be replaced.

The leather door straps should occasionally be treated with Nikwax, Dubbin or a similar leather treatment product to maintain their suppleness.

The wheelchair retaining harness and its mounting points should be inspected before every flight for wear or damage. Buckles should also be checked for correct operation.

7.15.4 FUEL SYSTEM REPAIRS

No change.

7.15.5 INSTRUMENT REPAIRS

No change.

7.15.6 INSPECTION SCHEDULE

7.15.6.15 BASKET

11.	Check laced hide hinges (if fitted) for damage or wear.	
12.	Check metal hinges (if fitted) for damage wear or distortion. Check that retaining screws are tight.	
13.	Check leather door straps for damage or wear.	
14.	Check condition of wheelchair retaining harness and mounting points.	

7.15.6.17.4 Baskets

Laced hide door hinges (if fitted)- Check the hide for wear. The hide should not be frayed or cracked.

Metal door hinges (if fitted)- Check the hinge for damage or distortion. Check that the screws retaining the hinges and hinge collars are tight. Check the basket frame for wear at the hinge points.

Leather door straps- Check the straps for wear, no more than a 5 mm width of the strap material may be eroded. Buckles and rivets should be free from significant corrosion. Check leather straps for excessive mould or dryness - straps should not crack if flexed. Check leather straps for cracking especially near rivets.

Wheelchair restraining harness- Check condition of harness and mounting points. Check webbing for fraying or fading (check the condition of the webbing as for a launch restraint). Check buckles for correct operation. Check the condition of the floor / sidewall in the positions where the harness is attached.