The technical content of this document is approved under the authority of DOA ref. EASA. 21J.140 (C750)

8.50 PICO BASKET

8.50.1 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 3 of this supplement consists of four pages. Supplement 7.50 to Maintenance Manual Issue 10 is required to ensure continued airworthiness.

8.50.2 LIMITATIONS

No change.

8.50.3 EMERGENCY PROCEDURES

No change.

8.50.4 NORMAL PROCEDURES

8.50.4.2.1 Assembly

Assemble with two people. Lift the padded top frame; place the basket poles into the sockets in the floor corners and press them into the upper sockets from the open side. Tighten the two tensioning straps at the basket ends (above the open slot). It may be necessary to release the Velcro holding the sidewall to the upper padding to obtain satisfactory tension.

Place the fuel cylinders in position, engaging the "U" bolt in the hook and tighten the restraining strap.

Fit the upper poles carrying the burner in the usual way, connecting the suspension wires to the burner by using the karabiners. Fit pole covers, enclosing the fuel hoses as necessary and connect the hoses to the cylinders.

8.50.4.2.2 Disassembly

Disassembly is an obvious reverse of the steps above. The long sides of the basket should be encouraged to fold inwards on their mid lines.

8.50.4.3 Inflation

Pre-Inflation Checklist

Baskets	Check for any damage to the webbing paying particular attention to the underside of the basket and at the junction of the basket wall and floor.
Cylinders	Check the U-bolt is securely attached to the cylinder, and that the U-bolt and cylinder guard ring are free from distortion or cracking.

8.50.5 WEIGHT CALCULATIONS

No change.

8.50.6 BALLOON AND SYSTEMS DESCRIPTION

8.50.6.5.7 Pico Basket

The Pico basket is an extremely light weight collapsible basket. Its structure is a Cordura bag with structural strength provided by webbings and wires from the top frame to the burner. Rigidity is provided by four nylon corner poles set into sockets on a plywood floor. The two fuel cylinders are suspended externally to the passenger compartment and the sides are provided with pockets for maps.

Details of the applicability and usage of the Pico basket is given in Table 6.

8.50.7 BALLOON MAINTENANCE, HANDLING AND CARE

No change.

8.50.9 EQUIPMENT LIST

8.50.9.1.1 Burner Frame Compatability

Table 6 lists the compatible burner load frames for each basket type. The burner load frames are divided into two categories:

Applicable Burner Frames (specific):

These are frames designed specifically to fit a given basket type.

Applicable Burner Frames (with Assembly check):

These are structurally and dimensionally similar frames which have been designed for similar baskets that incorporate minor design changes (e.g. additional restraint lugs, offset crossbar, changed rod socket angles etc.). These frames may only be combined with the listed basket after an assembly check by a competent person (normally an inspector).

Table 6: Baskets

Basket Cat.	Drawing Number	Basket Description	Applicable Cylinders	Applicable Burner Frames (specific)	Applicable Burner Frames (with Assembly check)
B	CB3643	Pico	See Table 7	CB2859, CQ2070 (Fl), CQ2071	-

Burner Frames: Fl = Flexi-corner burner frame only;

Table 7: Fuel Cylinders

Cylinder Category	Drawing Number	Cylinder Material	Cylinder Description
1a	CB901	Aluminium	Mini Worthington
1	CB250 *	Aluminium	Worthington 40l
2	CB497 *	Stainless Steel	Stainless Steel 40l
2	CB599 *	Stainless Steel	Stainless Steel 45l
2	CB2385S *	Titanium	Titanium 45l
2	CB2900 *	Duplex Stainless Steel	Duplex 45l
1	CB2990 *	Aluminium	Alugas 50l

***Key:** These cylinders must be fitted with the correct “U” Bolt attachment point as indicated in CB2454 – latest issue.

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