

The technical content of this document is approved under the authority of DOA EASA.21J.140 (C811 Iss.1)

8.48 NANO BASKET

8.48.1 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 7.48 to Maintenance Manual Issue 10 is required to ensure continued airworthiness.

8.48.2 LIMITATIONS

No change.

8.48.3 EMERGENCY PROCEDURES

No change.

8.48.4 NORMAL PROCEDURES

8.48.4.2.2 Basket Rigging

8.48.4.2.2.1 Basket Assembly

Position the padded sides of the Nano basket outside the floor and top frame,

Position the top frame on top of the floor, but slightly offset so that all of the pole sockets in the floor are accessible,

Fit the titanium basket poles into the basket floor,

Fit the basket top frame onto the poles,

Fit and tighten the cross-bracing straps of the basket side walls (short padded section) to the top frame,

Fit the side wall Velcro,

Note: Pulling upwards on the basket sidewall as you fit the Velcro achieves a neater fit.

Fit and tighten the cross-bracing straps of the basket end walls (long padded section) to the top frame,

Fit the end wall Velcro to the top frame,

Connect the vertical strips of Velcro that connect the side and end walls together.

Pull the basket wires upwards through the top frame until the wires are tight between the basket frame and the floor.

Fit the cylinder straps.

Note: The cylinder straps should pass through the loops on the basket end wall and around the OUTSIDE of the basket poles.

The Fire extinguisher pocket and drop line have “belt loops” on their rear faces to allow them to be mounted on the cylinder straps.

8.48.4.2.2.2 Basket Disassembly

Remove the cylinder straps, fire extinguisher and drop line (if fitted).

Pull the basket wires downwards so that there is slack wire between the basket top frame and the floor.

Slacken all of the cross-bracing straps.

Note: Re-assembly is quicker if the straps are left loosely attached to the basket top frame.

Undo the Velcro joining the padded sides to the top frame and to each other.

Lift the basket top frame off the poles, and remove the poles.

Lower the basket top frame onto the floor folding all of the padded side walls into the middle of the basket.

8.48.4.2.2.3 Assembly of External Cylinders

The Nano Basket External Cylinder Fixing Kit (CB3628) is used to attach cylinders to the outside of the Nano Basket. The fixing kit includes 2 webbing slings, 2 karabiners and 1 cylinder strap.

Note: The fixing kit only allows for a single suspended cylinder. A maximum of two external cylinders may be suspended, one on each end wall of the basket.

The cylinder is supported by 2 webbing slings which pass through the cylinder guard ring. Each webbing sling continues to pass over the top of the basket end wall, around each of the basket internal poles sockets, back over the basket end wall and joins to its other end using the karabiners.

The cylinder is restrained against the basket wall by the cylinder strap, which passes around the cylinder, through the slots in the basket end wall and around the two upright poles on the inside of the basket end wall.

Figure 1 illustrates a suspended external fuel cylinder on the Nano Basket End Wall.



▲ Figure 1: Assembled external fuel cylinder

8.48.4.3 INFLATION

Pre-Inflation Checklist (Additional)

Nano Basket

Eye-Bolts

Check security of fasteners

8.48.5 WEIGHT CALCULATIONS

No change.

8.48.6 BALLOON AND SYSTEMS DESCRIPTION

8.48.6.5.6 Nano Basket

The Nano basket is a collapsible basket with an upper frame, rigid floor assembly and Cordura side-walls (padded). Details of the applicability and usage of the Nano basket is given in Table 6.

8.48.7 BALLOON MAINTENANCE, HANDLING AND CARE

No change.

8.48.9 EQUIPMENT LIST

8.48.9.1.1 Burner Frame Compatibility

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)
C	CB3595	Nano (O)	1a, 1, 2	CB855, CB871, CB925, CB2203(Fl), CB2224(Fl), CB2231(Fl), CB2598 (Fl), CB2650, CB2652, CB2857(Fl), CB2995, Concept (CB994,CB2000), BA-152-A-002 (LBL)**,CQ2068	CB2203, CB2224, CB2231, CB2598, CB2857, CB8810, CB8811, CB8820, CB8821, CB8864,CB8894, CB8902, CB8903, CB8905

* Key: O = Open;

Burner Frames: Fl = Flexi-corner burner frame only; ** LBL= Lindstrand.