

The technical content of this document is approved under the authority of DOA nr. EASA.21J.140 (C647 Iss. 1)

7.49 LIGHTWEIGHT ENVELOPE COMPONENTS

7.49.1 General

This supplement shall be inserted in the Maintenance Manual, in Section 7: ‘Supplements’ with the revisions record sheet amended accordingly.

Information contained herein supplements, or in the case of conflict, supersedes that contained in the basic Maintenance Manual. For Limitations, Procedures, and Performance Data not contained in this supplement, consult the basic Hot Air Balloon Maintenance Manual.

7.49.2 ENVELOPE REPAIRS

7.49.2.1 GENERAL (ADDITIONAL)

Envelopes can be fitted with alternative components (fabric, loadtapes, flying cables etc.) to reduce envelope mass. The fitting of these components is identified in the balloon log book by Modification number.

7.49.2.1.4.1 Lightweight Fabrics

Lightweight fabric is optional on all Cameron envelopes and can be used in combination with other standard weight fabrics (e.g. Hyperlast, Ripstop). Repair Methods are identical to standard fabrics.

It is permissible to repair lightweight fabrics using standard weight fabric (e.g. Ripstop). It is not permissible to repair standard weight fabrics with lightweight fabrics.

Lightweight silicone coated fabrics are not used in the first two rows of panels above the Nomex.

7.49.2.3 LOAD TAPE REPAIRS

7.49.2.3.2 Horizontal Load Tapes

Tape Width* \ Joint Length	Measured length (mm)	Finished length (mm)
16	385	350

▲ Horizontal Load Tape Joints

7.49.2.5 FLYING CABLES**7.49.2.5.2 Stainless Steel Flying Cables, Ø2mm**

Smaller envelopes maybe fitted with Ø2 mm flying cables (Mod. C641).

These are attached to the envelope turnback with a “Quick-Link” (Maillon Rapide, Ø4mm Oval) and can be replaced by undoing the link and replacing the wire. The screw gate of the Quick-link must be fixed in the closed position using Loctite 270 Studlock.

7.49.3 Basket Repairs

No change.

7.49.4 Fuel System Repairs

No change.

7.49.5 Instrument Repairs

No change.

7.49.6 MAINTENANCE SCHEDULE

No change.

7.49.8 REPAIR PARTS AND MATERIALS**7.49.8.2.4 Envelope Load Tape**

Part Number	Description
CE-2016-1***	16mm polyester, minimum strength 300kg (661lbs), white

7.49.8.2.5 Envelope Hardware

Part Number	Description
CB-4103-0004	Maillon Rapide, Ø4mm, Oval (Quick-Link)

7.49.8.2.7 Envelope Flying Cables

Part Number	Description
CB-1702-1000	Flying Cable, 2mm Hopper, Single ***

Note: *** Designed for use with 4mm Maillon Rapide Quick link, CE-4103-0004