

ULTRAMAGIC MAINTENANCE MANUAL SUPPLEMENT N°17

'TEKNO' ENVELOPES

Section 1 - General

This supplement defines the particular maintenance and inspection requirements for the Ultramagic Hot Air Balloon 'Tekno' Envelopes S-50 and S-70.

Sections 1 to 5 detail the specific maintenance procedures and the parts used. Section 6 details the applicable inspection schedules and test requirements.

The 'Tekno' envelopes use many common components to other standard S Type envelopes already detailed in the Maintenance Manual Ed.04. Only those areas, which are different to those already detailed in the Maintenance Manual, are described in this supplement. Indexes are kept in line with the Ultramagic Maintenance Manual to facilitate its use. All other limitations, instructions and safety information contained in the Maintenance Manual remain applicable.

Section 2 – Envelope Repairs

2.8 Load tape repairs

For load tape repairs the rectangular stitching gates must be of 12 x 30 mm minimum due to the width of the tape. Square gates shall be 12 x 12 mm minimum.

2.9 Flying wire replacement

Same as described per 2.8.

2.12 Envelope Materials

2.12.3 Load Tapes

Ultramagic 'Tekno' load tapes are made from polyester combined with Kevlar®. Only a tape supplied or accepted by Ultramagic must be used for repairs on those envelopes. Its minimum strength must never be below 900 kg.

2.12.4 Flying Wires

Ultramagic 'Tekno' flying wires are standard of nominal diameter 3 mm. (Refer to the applicable Maintenance Manual for further details).

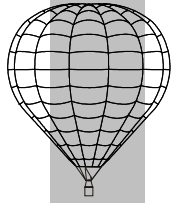
2.12.5 Ropes and Chords

(1)& (2): Parachute lines are 2 mm diameter Kevlar®.

2.12.8 Karabiners

The karabiners permitted for Tekno envelopes are:

- 3000 kN St Steel – Stubai
- 900 kg St Steel - Quick Link (Maillon Rapide)
- 27 kN Steel - Faders



Section 3 – Basket Repairs

No change.

Section 4 – Fuel Systems

No change.

Section 5 – Instruments

No change.

Section 6 – Inspection Schedules

6.3 100 hour / annual inspection (“B” Type)

Add the following:

All B-Type inspections shall be C-Type (must include Grab Test of the fabric).

6.6.2 Envelope

Karabiners – Check as per Maintenance Manual but considering the components introduced in 2.12.8 of this Supplement.

Section 7 – Airworthiness Limitations

No change.