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## **7.66 ULTRAMAGIC SOLO AND DUO 'BOTTOM ENDS' WITH CAMERON ENVELOPES**

### **7.66.1 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.

All references to the Ultramagic Maintenance Manual refer to Maintenance Manual Ref MM04, Revision 18 and supplement MM04 Supplement 4 Issue 5 or latest approved revisions.

Issue 1 of this supplement consists of two pages.

### **7.66.2 ENVELOPE REPAIRS**

No Change.

### **7.66.3 SOLO / DUO FRAME & HARNESS REPAIRS**

See Ultramagic Maintenance Manual MM04 and UM MM04 Supp 4

Note that any frame damage must be referred to Ultramagic for repair instructions.

### **7.66.4 FUEL SYSTEM REPAIRS**

See Ultramagic Maintenance Manual MM04 and UM MM04 Supp 4.

### **7.66.5 INSTRUMENT REPAIRS**

For repairs of Ultramagic supplied instruments see Ultramagic Maintenance Manual MM04

### **7.66.6 MAINTENANCE SCHEDULE**

#### **7.66.6.1 GENERAL**

All Ultramagic components must be inspected according to the instructions contained in section 6 of the Ultramagic Maintenance Manual MM04 and UM MM04 Supp 4 at the latest approved editions.

All Ultramagic Service Bulletins categorised as Mandatory must be complied with.

### 7.66.6.2 SCHEDULED INSPECTIONS AND COMPONENT LIFE

#### 7.66.6.2.1 Scheduled Inspections

**Solo and Duo:** Ultramagic Solo and Duo must undergo the annual / 100 hour inspection after 12 calendar months or 100 hours of operation, whichever is the sooner.

Additional inspections to the Solo / Duo are required every 3 years / 300 hours (Ref. UM MM04 supp 4. section 7.2.2)

#### Ultramagic Fuel Cylinders:

- Annual Inspection: Fuel cylinders must be inspected after one year since the date of last inspection.
- Periodic Inspection: A periodic inspection must be carried out every 10 years.

Permitted variations to inspection periods are listed in UM MM04 section 7.3

#### 7.66.6.2.2 Component Life

Item	Life Limit
All burner Fuel hoses	10 years*
Pressure Relief Valve (Ultramagic Fuel cylinders)	10 years from the date of manufacture
Shaft locking pins and M10 bolts. Ref. UM MM04 supp 4. section 7.2.2	3 years from date of installation

\* Fuel hoses have a Maximum Storage Life (prior to installation) of 5 years. When the date of installation is not known the maximum service life is ten years from the date marked on the swaged end of the hose.

#### 7.66.6.3 UNSCHEDULED INSPECTIONS

1. Inspection after a hard landing / transport accident.

Following a hard landing or transport accident all the components of the SOLO / DUO, including fuel cylinder(s), should be subjected to a full 100 hour / annual inspection. If there is any suspected damage to the welded frame carry out non-destructive testing as specified in sections 7.1.2 (SOLO) and 7.2.2 (DUO) of UM MM04 supp 4.