

The technical content of this document is approved under the authority of DOA ref. EASA.21J.140 (C803 Iss. 1)

7.59 SCREENS FOR PARTITIONED BASKETS

7.59.1 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.

Issue 1 of this supplement consists of 4 pages.

7.59.2 ENVELOPE REPAIRS

No Change.

7.59.3 BASKET REPAIRS

7.59.3.1 Screens for Basket Partitions.

Screens for basket partitions similar to those described below and conforming to the specifications listed in section 7.59.3.1.1. are considered standard parts and may be sourced from repair stations or other suitably skilled companies or individuals.

The design intent of the screens is to provide a physical barrier preventing contact between the occupants of adjacent basket compartments, while minimising the obstruction of the pilot's view.

7.59.3.1.1 Screen specification.

- The majority of the screen must be made from clear soft PVC material in a flame retardant or fire-retardant grade.
- The screen must not obstruct any burner, cylinder or other controls.
- The screens may be assembled by welding, sewing or other means.
- The durability of sewn seams may be improved by placing a fabric-backed adhesive tape (e.g. repair sticky fabric or glass tape) over the stitch line before sewing.
- The attachment of the lower edges of the screens to the basket must be by use of plastic cable ties maximum 6.5 mm width.

- The upper edge of the screens may be stiffened with fibreglass or wooden rods of maximum diameter 20 mm.
- The upper edge of the screens should be attached to the structural members of the burner frame.
- Provision should be made for disconnecting the screens from the burner frame to facilitate transport.
- The screens must be weighed and the screen weight recorded in the aircraft's weight records for use in load calculations.
- The installed screens must be inspected before first use by a Part 66 licence holder (or locally approved equivalent) and a record of the inspection made in the aircraft's logbook.

Inspection Criteria:

- The materials and construction of the screen(s) conform to the requirements above.
- The pilot's ability to access all the equipment and controls of the balloon necessary for flight is not impeded.
- The pilot's field of vision is not unacceptably impaired.



▲ Fig 1. Example of screens

7.59.3.1.2. Repair of the screens.

Minor damage (up to 15 cm length) may be repaired with clear tape. Damage larger than this should be repaired by replacement of the transparent panel of the entire screen

7.59.4 FUEL SYSTEM REPAIRS

No change.

7.59.5 INSTRUMENT REPAIRS

No change.

7.59.6 MAINTENANCE SCHEDULE

Basket Type:			
Part No.:		Serial No.:	

7.59.6.5.8 Basket (additional)

Component	Check / Inspect / Record	Pass/Fail (✓)/(x)
Partition Screens	Check condition	
Fixing to basket	Check condition / security	
Fixing to burner frame	Check condition / security	
Transparency of screen	Check transparency - significant discoloration of the screens is not acceptable.	

7.59.6.6.5 Baskets (additional)

The screens for partitioned baskets are to provide a physical barrier preventing contact between the occupants of adjacent basket compartments, while minimising the obstruction of the pilot's view.

The screens have no structural purpose however their general condition and security of their attachments must be checked at the annual 100 hr/Annual inspection.

Workpack No.	CN	Inspection Date	Inspectors Signature/No.
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