

CAMERON BALLOONS LTD

SERVICE BULLETIN: SB11

Subject: **A-type Envelopes**

Title: **Inspection of 'Lens' panel to 'Top' panel seam.**

Parts affected: **Cameron A-Type envelopes fitted with a 'parachute' or a 'Lock-Top parachute' and having a constructor's number between 0001 and 3544, between 4319 and 4999 and from 10000 onwards.**

Reason for Modification: **Possible unpicking of envelope seam through contact with Parachute Velcro tabs.**

Modification Classification: **The Service Bulletin has been classified 'Mandatory' by the United Kingdom Civil Aviation Authority.**

Compliance: **For envelopes with more than 100 flying hours, inspection must be performed within 10 flying hours from receipt of this bulletin and then on all subsequent annual inspections. For envelopes with less than 100 flying hours inspect at the next annual inspection and then on all subsequent annual inspections. The inspection within 10 flying hours may be performed by the Pilot. If required, repairs to the seam must be performed before further flights.**

Possible Consequence of Non-compliance: **Increased fuel consumption and decreased envelope flight performance.**

Accomplishment Instructions: **Inspect the envelope as described in section A.**

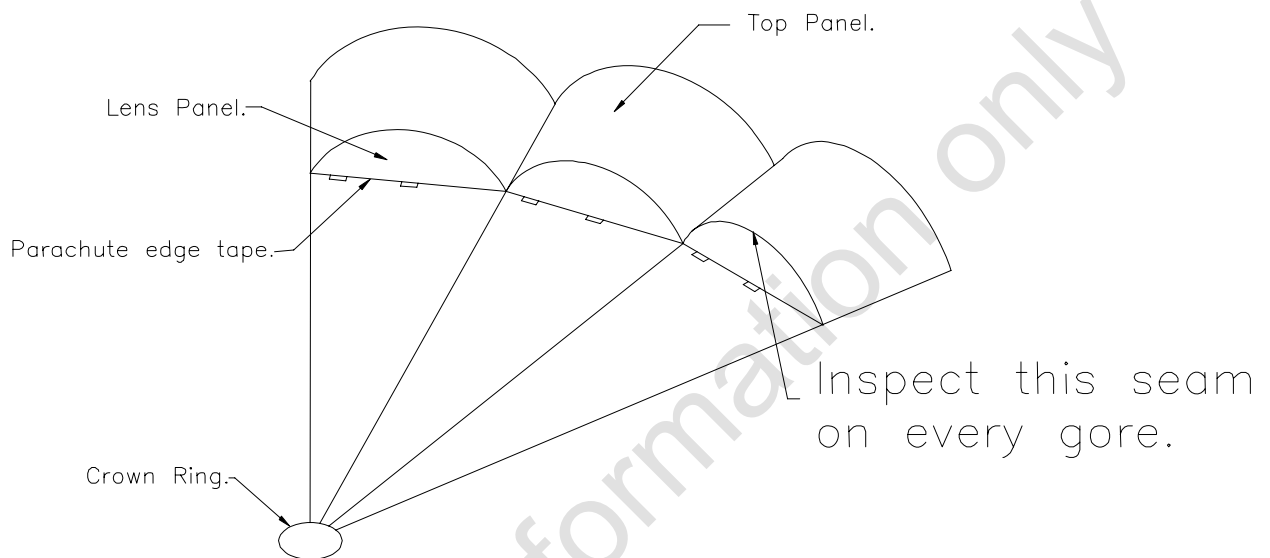
If in doubt please contact the factory.

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Section A Inspection.

Unpack the balloon and locate the Crown Ring. Then carefully inspect the inside and outside of the seam indicated below for signs of unpicking.



1. If no damage evident to both rows of stitching, then make the following log book entry :-

"Envelope inspected according to the instructions of Cameron Balloons Service Bulletin SB11. No damage to the seams."

Sign and date this logbook entry.

2. If less than 2" (50mm) of damaged stitching is evident, this is acceptable until the next scheduled inspection, when any damaged stitching must be repaired in accordance with Section B of this Service Bulletin.
3. The seam must be repaired before further flight if any of the following apply
 - a) Both rows of stitching completely broken.
 - b) More than 2" (50mm) of either row of stitching completely broken.
 - c) Two or more sections of damage between vertical load tapes, where each section has less than 2" (50mm) of either row of stitching completely broken.

Section B. Repair of the seam.

Materials Required:

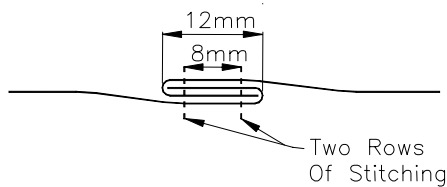
Sewing Thread: Three Strand Metric 40 Nylon or Polyester thread.

Tools Required:

Sewing Machine: Lockstitch sewing machine with a sharp needle, set to a stitch length between 2.5 and 4 mm.

General Procedure:

1. The seam to be repaired is a balloon seam (French Fell Seam)



It is essential that the folded-over edge of fabric is penetrated by both rows of stitching.

2. The ends of stitch lines must be always be “locked” by overlapping or backtacking to prevent the repair from pulling apart.

An approved inspector should inspect any repairs to the seams and the following entry made in the logbook.

“Top seams repaired as specified in Cameron Balloons Service Bulletin SB11”

Sign and date the logbook.